

Appendix B

Public Outreach Materials

Public Outreach Record

2010 Santa Clarita Valley Urban Water Management Plan

Master List for 2010 SCV UWMP Notification of Workshops and Draft Availability

| | |
|---|---|
| Jarrold Degonia Assemblymember Cameron Smyth 23734 Valencia Blvd. #303 Santa Clarita, CA 91355 | Ernie Villegas Assemblymember Jeff Gorell 2659 Townsgate Road, Suite 236 Westlake Village, CA 91361 |
| Dana Nielsen Assemblymember Audra Strickland 2659 Townsgate Road, Suite 236 Westlake Village, CA 91361 | Kevin Korenthal Associated Builders & Contractors of CA; ABC-CCC 28005 Smyth Dr., Suite 129 Valencia, CA 91355 |
| Holly Schroeder BIA - Los Angeles/Ventura Chapter 28480 Avenue Stanford, Suite 240 Santa Clarita, CA 91355 | Sandy Sanchez BIA - Los Angeles/Ventura Chapter 28481 Avenue Stanford, Suite 240 Santa Clarita, CA 91355 |
| David Inouye CA Department of Water Resources 770 Fairmont Avenue, Suite 102 Glendale, CA 91203-1035 | Robert Kelly Castaic Area Town Council P.O. Box 325 Castaic, CA 91310 |
| Mike Murphy City of Santa Clarita 23920 Valencia Blvd.#300 Santa Clarita, CA 91355 | Jason Smisko City of Santa Clarita 23920 Valencia Blvd.#300 Valencia, CA 91355 |
| Bruce Fortine College of the Canyons 24153 Tossano Drive Valencia, CA 91355-2010 | Bob Haueter Congressman Howard McKeon 26650 The Old Road # 203 Santa Clarita, CA 91355 |
| Chris Stephens County of Ventura Resource Management Agency 800 South Victoria Ave Ventura, CA 93009 | Ron Bottorff Friends of the Santa Clara River 660 Randy Drive Newbury Park, CA 91320-3036 |

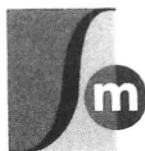
| | |
|--|--|
| <p>Mark Pestrella LA County Department of Public Works 900 South Fremont Ave Alhambra, CA 91803</p> | <p>Richard Bruckner LA County Department of Regional Planning 1390 Hall of Records, 320 West Temple Street Los Angeles, CA 90012</p> |
| <p>Jessica Bunker LA County WWD P.O. Box 1460 Alhambra, CA 91802-1460</p> | <p>Lynn Plambeck Santa Clarita Organization for Planning the Environment - SCOPE P.O. Box 1182 Canyon Country, CA 91386-1182</p> |
| <p>Robert Fleck Santa Clarita Valley Well Owners Association 16654 Soledad Canyon Road Santa Clarita, CA 91387</p> | <p>Terry Kingery SCV Chamber of Commerce 27451 Tourney Road, #160 Santa Clarita, CA 91355</p> |
| <p>Ed Masterson SCV Chamber of Commerce 27451 Tourney Road, #160 Santa Clarita, CA 91355</p> | <p>Sierra Club Angeles Chapter 3435 Wilshire Blvd # 320 Los Angeles, CA 90010-1904</p> |
| <p>Mark Butala Southern CA Association of Governments 818 W. Seventh Street, 12th Floor Los Angeles, CA 90017</p> | <p>Jackie Bick State Senator George Runner 23920 Valencia Blvd. Ste. 250 Santa Clarita, CA 91355</p> |
| <p>Jackie Bick State Senator Sharon Runner 23920 Valencia Blvd. Ste. 250 Santa Clarita, CA 91355</p> | <p>Scott Wilk Jr. State Senator Tony Strickland 2655 First St., Suite 230 Simi Valley, CA 93065</p> |
| <p>David Perry Supervisor Michael Antonovich, 5th District 23920 Valencia Blvd. # 265 Santa Clarita, CA 91355</p> | <p>Rosalind Wayman Supervisor Michael Antonovich, 5th District 23920 Valencia Blvd. # 265 Valencia, CA 91355</p> |

| | |
|--|---|
| <p>E. Michael Solomon United Water Conservation District 106 N 8th Street Santa Paula, CA 93060</p> | <p>Kathy Norris Valley Industrial Association of Santa Clarita (VIA) 25709 Rye Cyn Rd #105 Santa Clarita, CA 91355</p> |
| <p>Ron Mechsner West Ranch Town Council 25876 The Old Road #213 Stevenson Ranch, CA 91381</p> | <p>*** Orgs shaded above will receive letter return receipt requested</p> |
| | |
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| | |

May 2010 UWMP Workshop

Public Outreach Record

**2010 Santa Clarita Valley
Urban Water Management Plan**



Stacy Miller

PUBLIC AFFAIRS

Creative Solutions to Complex Situations

May 10, 2010

«AddressBlock»

Subject: 2010 Urban Water Management Plan

«GreetingLine»

The Santa Clarita Valley's water agencies, Castaic Lake Water Agency, CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company have begun to prepare the 2010 Urban Water Management Plan (UWMP). The Urban Water Management Plan, mandated by the State of California, presents a picture of the valley's water situation through the year 2035. It describes the long-range water needs of the community and the means to supply the necessary water.

In an effort to ensure all interested parties are fully informed and involved in our process, we have scheduled the first of several community workshops as follows:

Date: Tuesday, May 25, 2010
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

The purpose of this kick-off workshop is to present an overview of the state requirements and outline of the contents of the 2010 Urban Water Management Plan. I encourage your participation and look forward to seeing you then. If you have any questions, please feel free to contact me.

Sincerely,

Stacy Miller
Public Outreach Manager
2010 SCV UWMP

Government Affairs, Public Relations & Communication

P.O. Box 55745, Valencia, CA 91385 [818] 402-5806 [661] 222-9733 Fax stacy@StacyMillerPA.com

www.StacyMillerPA.com

**Santa Clarita Valley
2010 Urban Water Management Plan**

**Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company**

The Signal
5-18-10

**Announce the preparation of the
2010 Urban Water Management Plan**

The Urban Water Management Plan, mandated by the State of California, presents a picture of the valley's water situation through the year 2035. It describes the long-range water needs of the community and the means to supply the necessary water. We encourage your input, interest and involvement.

Kick Off Community Workshop

**Date: Tuesday, May 25, 2010
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road**

Purpose:

This kick-off workshop will present an overview of the state requirements and provide an outline of the content of the 2010 UWMP. Our team will provide an overview of the many opportunities for public comment and will also be available for questions. We encourage public participation and input.

For more information
please call (661) 297-1600

**Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company**

Santa Clarita Valley

2010 Urban Water Management Plan

**Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company**

*The Signal
Sunday
5-23-2010*

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2010 Urban Water Management Plan**

The Urban Water Management Plan, mandated by the State of California, presents a picture of the valley's water situation through the year 2035. It describes the long-range water needs of the community and the means to supply the necessary water. We encourage your input, interest and involvement

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**For more information
please call (661) 297-1600**

**Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company**

UWMP May 25, 2010 Kick-off workshop CLWA website & FaceBook postings

Castaic Lake Water Agency - Publications - Windows Internet Explorer

http://www.clwa.org/about/publications.cfm

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ABOUT CLWA YOUR WATER CONSERVATION SCHOOL EDUCATION WATER QUALITY NEWS CONTACT SANTA CLARITA WATER DIVISION

CASTAIC LAKE WATER AGENCY

A public agency providing reliable, quality water at a reasonable cost to the Santa Clarita Valley

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CLICK HERE TO SEE OUR CONSERVATION ADS

SIGN UP FOR OUR E-NEWSLETTER!

Consejos para conservar agua [Click aqui](#)

PUBLICATIONS

Important Notices

This is where new items, important notices and information on upcoming events are posted.

- 2010 Urban Water Management Plan- Kick Off Community Workshop
- CLWA Open House 2010
May 8, 2010 9 AM - 2 PM
- CLWA Announces New Large Landscape Program
- Addressing the Questions - The Future of the Delta
As historic planning efforts for the Sacramento - San Joaquin Delta are proceeding, many local governments, wildlife agencies, environmental groups, community groups and water districts are raising important questions about the potential changes. The Delta is home to valuable fisheries, diverse wildlife, productive farms and long-time communities. Statewide, two-thirds of Californians and 3.75 million acres of farmland depend on water exported from the Delta. As water providers, the State Water Contractors and the Castaic Lake Water Agency believe it is vital to find workable approaches to all of the ecosystem, water system and community challenges in the Delta. This document represents a discussion of key questions and answers that are emerging.
- Integrated Regional Water Management Plan
The Castaic Lake Water Agency, along with numerous other agencies and organizations, is cooperatively preparing an Integrated Regional Water Management Plan for the protection of resources in the Upper Santa Clara River Watershed

Press Releases

CLWA Press Releases

- Study Shows Santa Clarita Valley Groundwater to be a Reliable Water Supply Now and for the Future
- CLWA Director Jerry Gladbach elected to the NWRA Board of Directors

Santa Clarita Water Division Rates

UWMP Website
posting CLWA
5-18-2010

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CASTAIC LAKE WATER AGENCY

Wall Info Photos Discussions Boxes Notes

Write something...

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Filters

Castaic Lake Water Agency The kick off community workshop for the 2010 Urban Water Management Plan will be held at CLWA on Tuesday, May 25 at 4PM. For more information, please check out the flier below.

8 seconds ago Comment Like Share

Castaic Lake Water Agency Due to the recent rain, the Weekly Water Index is currently at 56%. For More information regarding this index, please follow the link.

Castaic Lake Water Agency
www.clwa.org
Castaic Lake Water Agency

4 hours ago Comment Like Share

5 people like this.

Write a comment...

Castaic Lake Water Agency Local SCV teachers - come join us on Thursday, May 20, to learn about the exciting FREE school education field trips the Castaic Lake Water Agency has to offer! Reservations for the 2010/11 school year will take place on this date. Refreshments will be provided.

Check out the flier for more details!

Create an Ad

Hunt, Beach Buckle List

Things to do in Hunt, Beach before you die. Get huge coupon emailed daily.

New Irvine, CA Homes

New neighborhoods now open in Irvine! View floorplans, photos & more. Over 20 new models. Townhomes, flats & single-family homes.

Photo Book For Dad

DAD MY HERO

Picaboo makes it easy to create a beautiful Father's Day Photo Book for Dad! GET 30% OFF THROUGH 31st.

Chat (10)

Internet 100%

UWMP FaceBook
posting CLWA
5-18-2010

**UWMP May 25, 2010 Kick-off workshop
Newhall County Water District Website & FaceBook posting**

NCWD - NEWHALL COUNTY WATER DISTRICT - Windows Internet Explorer

http://ncwd.org/index.htm

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NCWD - NEWHALL COUNTY WATER DISTRICT

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NEWHALL COUNTY WATER DISTRICT
NCWD

OUR WATER IS A PRECIOUS RESOURCE...
USE WATER EFFICIENTLY,
EVERY DROP COUNTS!
[LEARN MORE](#)

ACCOUNT ACCESS
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ACCOUNT HISTORY
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CONTACT
Tel: (661) 259-3610
Fax: (661) 259-3574
Email: mail@ncwd.org
[CLICK HERE](#)

NEWSLETTER
The Quarterly Newsletter
is available online
[Click here](#)

LATEST NEWS
Acrobat Reader 7 or later is required to view many of our documents. [Get Acrobat Reader](#)

2010 Urban Water Management Plan
Kick Off Community Workshop - May 25, 2010 at 4 PM

Residential Sprinkler Nozzle Program
How You Can Receive a FREE Sprinkler Nozzle

Award for Outstanding Financial Reporting
Board and staff's commitment to open, efficient management is honored

UWMP Website &
FaceBook posting
NCWD - 5-17-2010

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Newhall County Water District

Wall Info Photos Discussions Notes Video

Write something...

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Newhall County Water District + Others **Newhall County Water District** Just Others

Newhall County Water District 2010 Urban Water Management Plan - Kick Off Community Workshop - May 25, 2010 at 4 PM
http://www.ncwd.org/CI/In_the_News/UWMP%20-%201st%20community%20workshop%20FINAL%205-18-10.pdf
www.ncwd.org
3 hours ago · Comment · Like · Share

Newhall County Water District NCWD is now on Facebook. Follow us on Facebook and Twitter.
August 5, 2009 at 3:45pm · Comment · Like

Maria Gutzeit Welcome!
October 26, 2009 at 5:13pm · Report

Newhall County Water District
Conservation Commercial [HQ]
Length: 0:34
June 26, 2009 at 10:45am · Comment · Like · Share

RECENT ACTIVITY
Newhall County Water District edited their Phone, Location and Website.

Information
LOCATION:
23790 N Pine Street
Newhall, CA, 91321
Phone:
661-259-3610
Mon - Fri:
8:00 am - 5:00 pm

3 Friends Like This
Chris Fall, SCVtv, R. L. Akins

Create an Ad

1-Hour Facial, only \$19
Special one day offers. 1-hour facials for only \$19.

Natural History Museum
1/2 off family membership (value of \$120) - offer good until midnight 5/20. Free admission to La Brea Tar Pits too!

Pain From Diabetes?
Suffer with pain caused by diabetes? Click here to see if a clinical research trial in your area could help.

More Ads

1 Chat (14)

**UWMP May 25, 2010 Kick-off workshop
Santa Clarita Water Division (SCWD) website postings**

Santa Clarita Water Division - Windows Internet Explorer

http://www.scwater.org/publications.cfm

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SCWD SANTA CLARITA WATER DIVISION

Home About SCWD Customer Service Engineering Your Water Publications Your Bill Business Opportunities

PUBLICATIONS
• Publications

Publications

The following is a list of commonly requested SCWD documents.

Important Notices

This is where new items, important notices and information on upcoming events are posted.

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- [CLWA Open House 2010](#)
May 8, 2010 9 AM - 2 PM
- [CLWA Announces New Large Landscape Program](#)
- [Addressing the Questions - The Future of the Delta](#)
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The Castaic Lake Water Agency, along with numerous other agencies and organizations, is cooperatively preparing an Integrated Regional Water Management Plan for the protection of resources in the Upper Santa Clara River Watershed

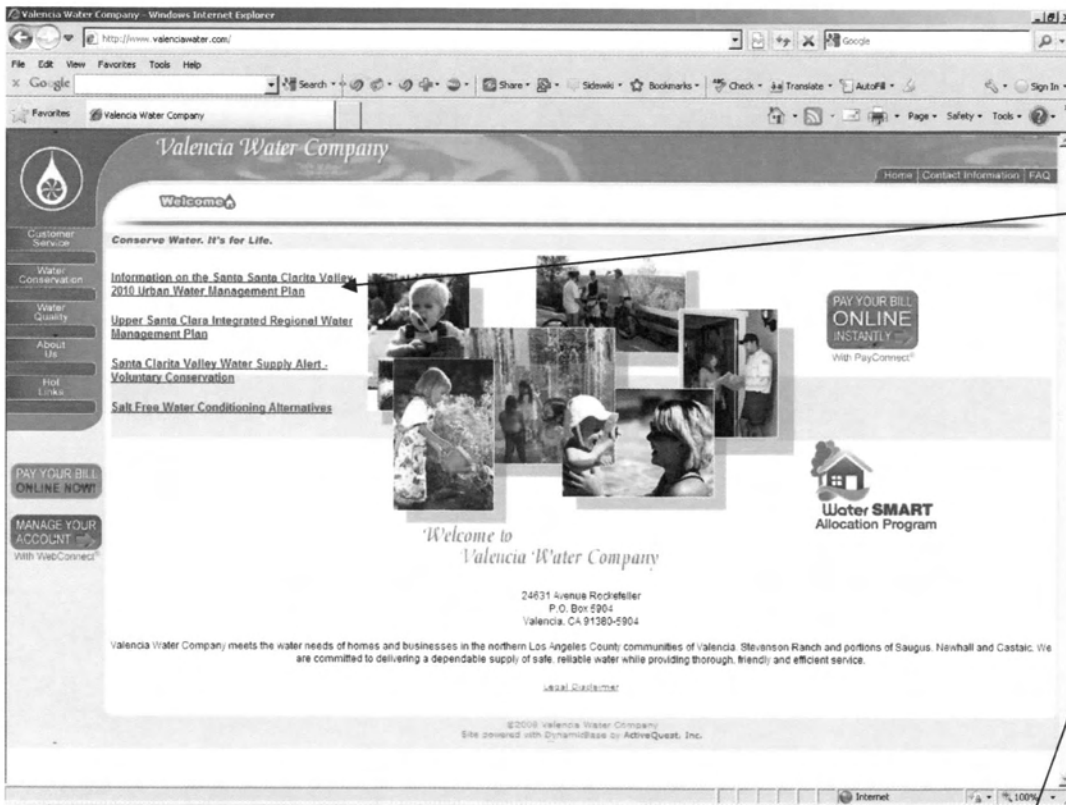
Water Quality Reports

The Annual Consumer Confidence Report is provided by the Castaic Lake Water Agency and local water purveyors. The goal is to provide customers the most up-to-date information about water. Each report contains a summary of thousands of water quality tests performed in the Santa Clarita Valley.

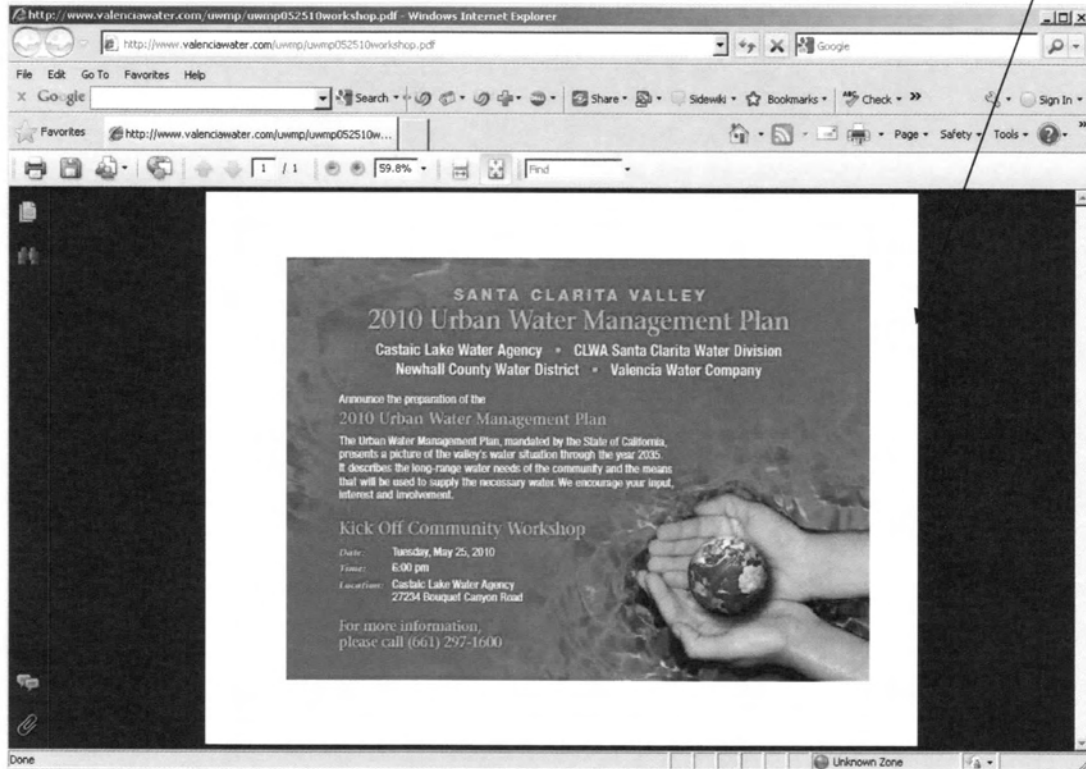
- [The Santa Clarita Valley 2007 Consumer Confidence Report](#)
- [The Santa Clarita Valley 2008 Water Quality Report](#)

UWMP FaceBook
posting CLWA
5-17-2010

Valencia Water Co Website Posting
May 25, 2010 - UWMP Kick Off Community Workshop



UWMP Website posting
Valencia Water Co
5-17-2010



SANTA CLARITA VALLEY
2010 Urban Water Management Plan

Castaic Lake Water Agency • CLWA Santa Clarita Water Division
 Newhall County Water District • Valencia Water Company

Announce the preparation of the
2010 Urban Water Management Plan

The Urban Water Management Plan, mandated by the State of California, presents a picture of the valley's water situation through the year 2035. It describes the long-range water needs of the community and the means that will be used to supply the necessary water. We encourage your input, interest and involvement.

Kick Off Community Workshop

Date: Tuesday, May 25, 2010
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Location: Castaic Lake Water Agency
 27234 Bouquet Canyon Road


For more information,
 please call (661) 297-1600



UWMP Kick-Off Workshop Agenda

- ❖ Introductions
- ❖ What is an UWMP?
- ❖ Who is required to submit an UWMP?
- ❖ Why are UWMPs developed?
- ❖ When are the UWMPs developed?
- ❖ Existing and new requirements of UWMPs
- ❖ Q&A


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What is an Urban Water Management Plan?

- ❖ An Urban Water Management Plan is a comprehensive planning process whereby urban water suppliers describe and evaluate sources of water supply, efficient uses of water, demand management measures, implementation strategy and schedule, and other relevant information and programs.

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Who is required to prepare an UWMP?

- ❖ Publicly or privately owned water suppliers (including wholesalers), providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet annually.



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Why are UWMPs Developed?

- In adherence to the 1983 Urban Water Management Planning (UWMP) Act and subsequent legislation
- To develop a framework for agencies to integrate programs and projects that enhance the quality and quantity of regional water supplies
- To identify gaps between supply and demand through time (20-year analysis required)
- To provide detailed description of all supply sources (surface, recycled, groundwater)

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Why are UWMPs Developed? (Cont'd.)

- To identify Demand Management Measures (water conservation programs)
- To address water quality issues
- To develop water shortage contingency planning
- To describe how demand will be met through time, in all hydrologic year types (normal, multiple dry, critical dry)

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When are UWMP Plans Developed?

- ❖ Suppliers are required to update UWMP every five-years (years ending in 0 or 5).
- ❖ 2010 – current update
- ❖ July 1, 2011 for retailers (SBx7-7 extended UWMP deadline for retailers but silent on extension for wholesalers.)
 - Under current UWMP Act, wholesalers should complete UWMP by December 31, 2010. But “cleanup legislation” (AB 2776 and SB 1478) anticipated that will extend deadline to July 1, 2011 for wholesalers.

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Coordination and Notification Requirements

“Each urban water supplier shall coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practical.”

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Coordination and Notification Requirements

Other:

- Must hold public hearing prior to adoption of UWMP
- Must give cities and counties in service area 60 days notice prior to public hearing
- Must provide cities and counties and LAFCO in service area with copies of UWMP within 30 days of adoption

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Penalties

- Ineligible for State Grant and Loan Funding (at least until plan is completed to DWR satisfaction)

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What, Who, Why, When, etc...

- ❖ Q&A/Discussion

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New Requirements for 2010 UWMP

- ❖ New Law: SBX7-7 ("20% x 2020"), reporting starts with 2010 UWMPs
 - Base gross water use in gpcd: must be calculated using one of three methodologies
 - Target reduction from base by 2020: reporting requirements differ for retailers vs. wholesalers
 - Must be calculated using one of four methodologies
 - Agencies must hold public hearing to explain how targets will be met (can be held as part of UWMP hearing)

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New UWMP Requirements

- ❖ Base gross water use in gpcd: calculation
 - Total volume of water (treated or not) entering the retail distribution system, divided by the total population of the service area
 - (Excludes: recycled water, net volume into long-term storage, water conveyed to another retailer, agricultural water)*

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New UWMP Requirements

- ❖ Base gross water use in gpcd: methodologies
 - 10-year average
 - *ending no earlier than 2004 – no later than 2010*
 - 15-year average if 10% of 2008 demand met by recycled water
 - *get to add 5 years to calculation*
 - 5-year average if agency is already close to target
 - *100 gpcd; at least 5% reduction*
 - *ending no earlier than 2007 – no later than 2010*

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New UWMP Requirements

- ❖ Base gross water use in gallons per capita per day (gpcd)
 - Averages are determined on a rolling basis
 - Should review demands over various periods to determine hydrologic and demand year types
 - Recent economic impacts and drought response may have reduced demand!

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New UWMP Requirements

- ❖ Target reduction methodology options
 1. 20% reduction from base (i.e., 80% of average gross water use in gpcd)
 2. Combination of state standards:
 - 55 gpcd indoor residential + landscape use at 70% -80% ETo + 10% reduction in commercial/industrial/institutional use
 3. DWR 20x2020 hydrologic region target (South Coast region = 149 gpcd)
 4. Option to be developed by October 2010

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New UWMP Requirements

- ❖ Reduction Target Option 4
 - Subject to DWR public process during 2010
 - Will identify targets to achieve cumulative statewide 20% reduction
 - Must allow flexibility for water supplier service area characteristics

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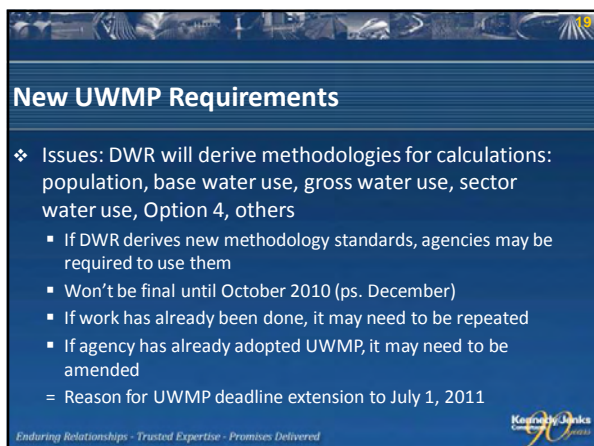


New UWMP Requirements

- ❖ Proposals for Option 4
 - DWR: developing a methodology for public review
 - CA Urban Water Conservation Council: all agencies in CA follow terms and options of the Urban MOU
 - ACWA: submitted Option 4 proposal
 - Relies on comparison to a Reference Area (an area that has met/nearly met hydrologic region target).

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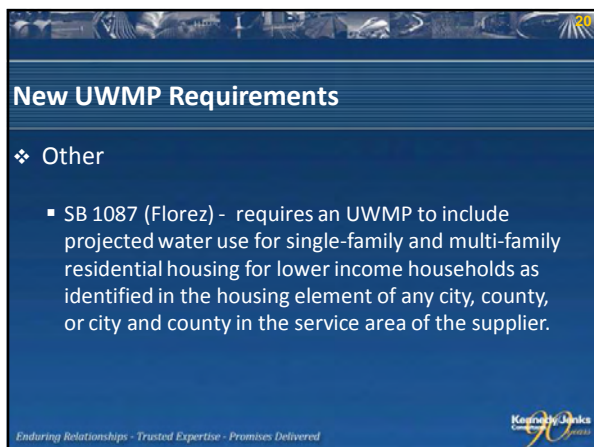


New UWMP Requirements

- ❖ Issues: DWR will derive methodologies for calculations: population, base water use, gross water use, sector water use, Option 4, others
 - If DWR derives new methodology standards, agencies may be required to use them
 - Won't be final until October 2010 (ps. December)
 - If work has already been done, it may need to be repeated
 - If agency has already adopted UWMP, it may need to be amended
- = Reason for UWMP deadline extension to July 1, 2011

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Kennedy/Jenks Consultants 90 years



New UWMP Requirements

- ❖ Other
 - SB 1087 (Florez) - requires an UWMP to include projected water use for single-family and multi-family residential housing for lower income households as identified in the housing element of any city, county, or city and county in the service area of the supplier.

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Kennedy/Jenks Consultants 90 years



Consultant Team

- Kennedy/Jenks Consultants
- Luhdorff and Scalmanini
- Nancy Clemm, P.E.
- Stacy Miller Public Affairs

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Kennedy/Jenks Consultants 90 years

Santa Clarita Valley Urban Water Management Plan

May 25, 2010 - Community Workshop Sign In Sheet

| | PRINT NAME | ORGANIZATION | TITLE | PHONE | EMAIL |
|------|-------------------|------------------------------|----------------------------------|----------------------|-----------------------------------|
| ✓ 1. | David Inayre | DIR. So. Region | Chief, Water Cons. Sec. | (818) 500-1645, x246 | david.i@water.ca.gov |
| ✓ 2. | RONALD MECHNER | WEST RANCH TOWN COUNCIL | PRESIDENT | 661-753-6182 | RMECHNER@westranchtowncouncil.com |
| 3. | Cathy Holloman | SCWD | Assoc | 661-259-2737 | cholloman@scwater.org |
| 4. | Mauricio Gvardalo | SCWD | Retail MGR | " | mgvardalo@scwater.org |
| 5. | Marylin Cotten | KS | | | |
| 6. | Patrick Bryant | City of Santa Clarita | Admin. Analyst | 661-255-4902 | pbryant@santa-clarita.ca.gov |
| 7. | Jessica Bunker | LAD WWD | Civil Eng - Water Resources Unit | 626-300-3315 | jbunker@ladpw.org |
| 8. | Bruce Fortine | COC | Trustee | 661-253-0060 | fortine@earthlink.net |
| 9. | Kevin Koranthel | ABL-CCC | E.D. | (661) 310-0769 | kkoranthel@abc-ccc.org |
| 10. | JANET KEITH | VWC | CONSER COORD. | 661-295-6531 | jkeith@valenciawater.com |
| 11. | Brett Walter | Buck Mckean | Senior Field Rep | 661-254-2111 | brett.walter@mail.house.gov |
| 12. | Simon Smisko | Santa Clarita | Summ Planner | 661-255-4306 | jsmisko@santa-clarita.ca.gov |
| 13. | George Gladbach | CLWA | | | |
| 14. | DIANA SHAW | DIANA SHAW for 38th Assembly | candidate | | electDIANASHAW.com |
| 15. | Bob DiPrimio | Valencia Water Co. | President | (661) 295-6501 | rdiprimio@valenciawater.com |
| 16. | ED MASTERSON | SCV CHAMBER | PRES. / CEO | (661) 702-6977 | EMASTERSON@SCVCHAMBER.COM |
| 17. | Jackie Bick | Sen. Runner | Dis Rep | 661-286-1471 | JACKIE.BICK@SEN.CA.GOV |
| 18. | | | | | |

July 2010 UWMP Workshop

Public Outreach Record

**2010 Santa Clarita Valley
Urban Water Management Plan**



Stacy Miller

PUBLIC AFFAIRS

Creative Solutions to Complex Situations

July 6, 2010

«AddressBlock»

Subject: 2010 Urban Water Management Plan Workshop

«GreetingLine»

The Santa Clarita Valley's water agencies, Castaic Lake Water Agency, CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company are currently preparing the 2010 Urban Water Management Plan (UWMP).

In an effort to ensure all interested parties are fully informed and involved in this process, we have scheduled our second community workshop as follows and welcome your participation:

Date: Tuesday, July 27, 2010
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

The Urban Water Management Plan presents a picture of the valley's water situation through the year 2035, describes the long-range water needs of the community and the means to supply the necessary water. This workshop will provide the most current information on components of the 2010 UWMP.

I encourage your participation and look forward to seeing you then. If you have any questions, please feel free to contact me.

Sincerely,

Stacy Miller
Public Outreach Manager
2010 SCV Urban Water Management Plan

Government Affairs, Public Relations & Communication

P.O. Box 55745, Valencia, CA 91385 [818] 402-5806 [661] 222-9733 Fax stacy@StacyMillerPA.com
www.StacyMillerPA.com

**Post card sent to all entities with water connections in the
CLWA, CLWA SCWD, VWC and NCWD service areas**

SANTA CLARITA VALLEY 2010 Urban Water Management Plan

**Castaic Lake Water Agency • CLWA Santa Clarita Water Division
Newhall County Water District • Valencia Water Company**

2010 Urban Water Management Plan

The Urban Water Management Plan, mandated by the State of California, presents a picture of the valley's water situation through the year 2035. It describes the long-range water needs of the community and the means that will be used to supply the necessary water. We encourage your input, interest and involvement.

Upcoming Community Workshops

Date: Tuesday, July 27, 2010
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

Date: Tuesday, September 28, 2010
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

**For more
information,
please call
(661) 297-1600**



SANTA CLARITA VALLEY

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

Date: Tuesday, July 27, 2010
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

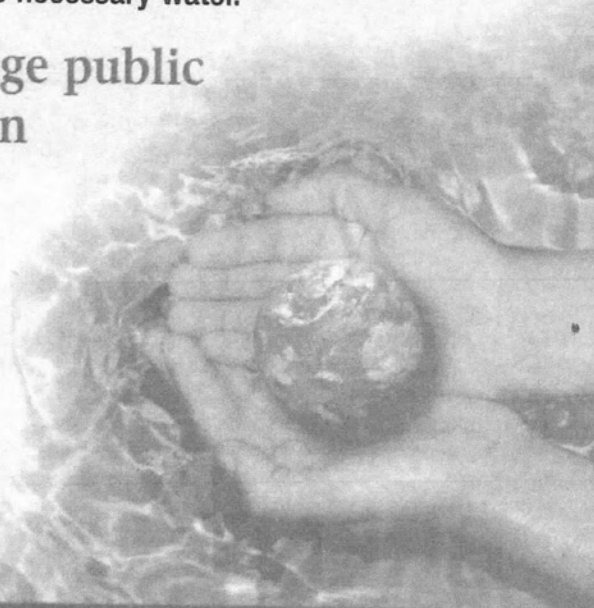
The Signal
7-25-10

This workshop will provide the most current information on components of the 2010 UWMP. Our team will provide an overview of the opportunities for public comment and will also be available for questions.

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We encourage public participation and input

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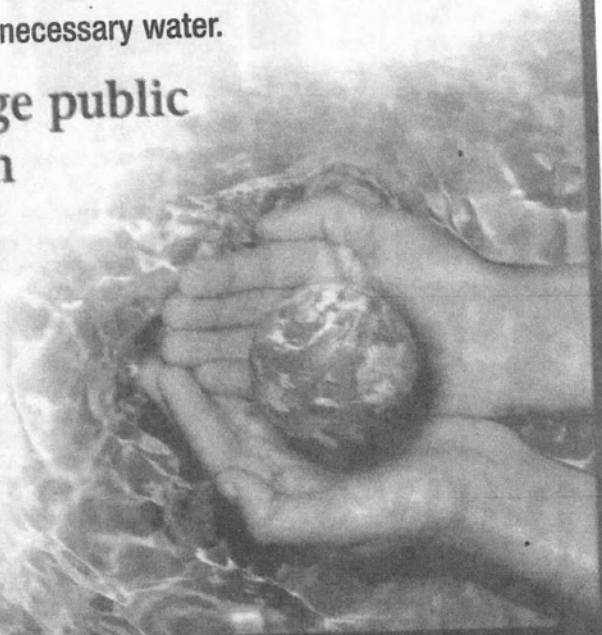
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Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
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UWMP July & September 2010 Community Workshop Announcements

CLWA Website - June 28, 2010

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Castaic Lake Water Agency - Publications

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PUBLICATIONS

Important Notices

This is where new items, important notices and information on upcoming events are posted.

- 2010 Urban Water Management Plan Community Workshops
- CLWA Open House 2010
May 6, 2010 9 AM - 2 PM
- CLWA Announces New Large Landscape Program
- Addressing the Questions - The Future of the Delta
As historic planning efforts for the Sacramento - San Joaquin Delta are proceeding, many local governments, wildlife agencies, environmental groups, community groups and water districts are raising important questions about the potential changes. The Delta is home to valuable fisheries, diverse wildlife, productive farms and long-time communities. Statewide, two-thirds of Californians and 3.75 million acres of farmland depend on water exported from the Delta. As water providers, the State Water Contractors and the Castaic Lake Water Agency believe it is vital to find workable approaches to all of the ecosystem, water system and community challenges in the Delta. This document represents a discussion of key questions and answers that are emerging.
- Integrated Regional Water Management Plan
The Castaic Lake Water Agency, along with numerous other agencies and organizations, is cooperatively preparing an Integrated Regional Water Management Plan for the protection of resources in the Upper Santa Clara River Watershed

Press Releases

CLWA Press Releases

- Study Shows Santa Clarita Valley Groundwater to be a Reliable Water Supply Now and for the Future
- CLWA Director Jerry Gladbach elected to the NWRA Board of Directors

Done

http://clwa.org/about/pdf/UWMP%20July%20&%20September%20Workshop%20Posterand.pdf Windows Internet Explorer provided by Yahoo!

http://clwa.org/about/pdf/UWMP%20July%20&%20September%20Workshop%20Posterand.pdf

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SANTA CLARITA VALLEY
2010 Urban Water Management Plan

Castaic Lake Water Agency • CLWA Santa Clarita Water Division
Newhall County Water District • Valencia Water Company

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Upcoming Community Workshops

| | | |
|-----------|--|--|
| Date: | Tuesday, July 27, 2010 |  |
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| Location: | Castaic Lake Water Agency 27234 Bouquet Canyon Road | |
| ... | | |
| Date: | Tuesday, September 28, 2010 | For more information, please call (661) 297-1600 |
| Time: | 4:00 pm | |
| Location: | Castaic Lake Water Agency 27234 Bouquet Canyon Road | |

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UWMP July & September 2010 Community Workshop Announcements

CLWA Facebook Post - June 28, 2010

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Castaic Lake Water Agency 2010 Urban Water Management Plan Community Workshops

Please check out the flyer below for the dates and times of the July and September workshops.

22 minutes ago Comment Like

Castaic Lake Water Agency The watering index this week is: 91%. Please adjust your irrigation system accordingly!
Friday at 1:11pm Comment Like

valerie Pryor likes this.

Castaic Lake Water Agency Today is the last opportunity to snag a pair of tickets for the Santa Clarita Home and Garden Show this weekend (June 26 and 27). Here is our trivia question:
True or False: 70% of home water use is outdoors (i.e. used on the garden or lawn).
(NOTE: If you are a winner, you are not eligible to win more tickets for this...
See More
Friday at 8:55am Comment Like

Information

Location
27234 Boulevard Canyon Road
Santa Clarita, CA, 91350

Phone:
661-297-1600

Mon - Thurs:
7:30 am - 5:00 pm

Fri:
7:30 am - 4:30 pm

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SANTA CLARITA VALLEY
2010 Urban Water Management Plan
Castaic Lake Water Agency • CLWA Santa Clarita Water Division
Newhall County Water District • Valencia Water Company

2010 Urban Water Management Plan
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Upcoming Community Workshops

Date: Tuesday, July 27, 2010
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Boulevard Canyon Road

Date: Sunday, September 26, 2010
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Boulevard Canyon Road

For more information, please call (661) 297-1600.

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Valencia Water Co Website - June 28, 2010

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http://www.valenciawater.com/

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Welcome

Conserve Water. It's for Life.

2010 Urban Water Management Plan Community Workshops

Upper Santa Clara Integrated Regional Water Management Plan

Santa Clarita Valley Water Supply Alert - Voluntary Conservation

Salt Free Water Conditioning Alternatives

PAY YOUR BILL ONLINE NOW!

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Water SMART Allocation Program

Welcome to
Valencia Water Company

24531 Avenue Rockefeller
P.O. Box 5904
Valencia, CA 91380-5904

Valencia Water Company meets the water needs of homes and businesses in the northern Los Angeles County communities of Valencia, Stevenson Ranch and portions of Saugus, Newhall and Castaic. We are committed to delivering a dependable supply of safe, reliable water while providing thorough, friendly and efficient service.

[Legal Disclaimer](#)

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2010 Urban Water Management Plan
Castaic Lake Water Agency • CLWA Santa Clarita Water Division
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| ----- | |
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For more information, please call
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SCWD Website - June 28, 2010

Santa Clarita Water Division - Windows Internet Explorer

http://www.scwater.org/publications.cfm


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**SCWD**

SANTA CLARITA WATER DIVISION

Home About SCWD Customer Service Engineering Your Water Publications Your Bill Business Opportunities

PUBLICATIONS
• Publications

Publications

The following is a list of commonly requested SCWD documents.

Important Notices

This is where new items, important notices and information on upcoming events are posted.

- [2010 Urban Water Management Plan- Kick Off Community Workshop](#)
- [CLWA Open House 2010](#)
May 8, 2010 9 AM - 2 PM
- [CLWA Announces New Large Landscape Program](#)
- [Addressing the Questions - The Future of the Delta](#)
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The Castaic Lake Water Agency, along with numerous other agencies and organizations, is cooperatively preparing an Integrated Regional Water Management Plan for the protection of resources in the Upper Santa Clara River Watershed

Water Quality Reports

The Annual Consumer Confidence Report is provided by the Castaic Lake Water Agency and local water purveyors. The goal is to provide customers the most up-to-date information about water. Each report contains a summary of thousands of water quality tests performed in the Santa Clara Valley.

- [The Santa Clara Valley 2007 Consumer Confidence Report](#)
- [The Santa Clara Valley 2008 Water Quality Report](#)

UWMP July & September 2010 Community Workshop Announcements

NCWD Website - June 28, 2010

NCWD - NEWHALL COUNTY WATER DISTRICT - Windows Internet Explorer provided by Yahoo!

http://www.ncwd.org

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CONTACT
Tel: (661) 259-3510
Fax: (661) 259-3574
Email: mail@ncwd.org
[CLICK HERE](#)

NEWSLETTER
The Quarterly Newsletter
is available online

NEWHALL COUNTY WATER DISTRICT
The Mission of NCWD is to provide quality water service at a reasonable cost by practicing careful stewardship of natural resources, utilizing innovative measures, and providing a quality working environment.

LATEST NEWS
Acrobat Reader 7 or later is required to view many of our documents. Get Acrobat Reader
HOLIDAY CLOSURE:
NCWD will be closed Monday, July 5, 2010
2010 Urban Water Management Plan Community Workshops
July and September Schedule
Residential Sprinkler Nozzle Program
How You Can Receive a FREE Sprinkler Nozzle
Award for Outstanding Financial Reporting

http://www.ncwd.org/CI/In_the_News/UWMP%20July%20%20September%20Workshop%20Postcard.pdf - Windows Internet Explorer provided by

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NCWD Facebook Post - June 28, 2010

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NCWD
NEWHALL COUNTY WATER DISTRICT

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Our water is a precious resource...
Use water efficiently. Every Drop Counts

Information

Location:
23780 N Pine Street
Newhall, CA, 91321

Phone:
661-259-3610

Open - Now
8:00 am - 5:00 pm

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Newhall County Water District

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Newhall County Water District 2010 Urban Water Management Plan Community Workshops July and September Schedule

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Newhall County Water District Notice of Postponement of Regular Board Meeting - July 8, 2010

<http://www.ncwd.org/08/Agendes/Notice-Postponement-Reg-Meeting-Jul08-2010.pdf>

www.ncwd.org
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June 22 at 2:51pm Comment Like Share

Newhall County Water District The 2009 S.C.V. Water Report provides current information about the water requirements and water supplies of the Santa Clarita Valley.

http://www.ncwd.org/CI/SCV_Annual_Water_Reports/2009_SCV_Water_Report.pdf

www.ncwd.org
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Newhall County Water District Water Lines is a quarterly publication to keep you informed of key water issues and District activities - check out our summer newsletter

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BACKGROUND INVESTIGATION: Life's about making good choices and decisions. Hire us to get the answers to end your success!

Chat (14)

Internet




2010 UWMP

- ❖ New Law: SBX7-7 (“20% x 2020”), reporting starts with 2010 UWMPs, applies to retailers
 - Base gross water use in gpcd: must be calculated using one of three methodologies
 - Target reduction from base by 2020: must be calculated using one of four methodologies
 - Supplier must hold public hearing to explain how targets will be met (can be held as part of UWMP hearing)

Enduring Relationships - Trusted Expertise - Promises Delivered

Kennedy/Jenks
Consultants




2010 UWMP

- ❖ Base gross water use in gpcd: methodologies
 - 10-year average
 - ending no earlier than 2004 – no later than 2010
 - 15-year average if 10% of 2008 demand met by recycled water
 - get to add 5 years to calculation
 - And: 5-year average
 - ending no earlier than 2007 – no later than 2010
 - 100 gpcd; at least 5% reduction for all agencies in CA over 100 gpcd

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2010 UWMP

- ❖ Target reduction methodology options
 1. 20% reduction from base (i.e., 80% of average gross water use in gpcd)
 2. Combination of state standards:
 - 55 gpcd indoor residential + landscape use at 70% ETo + 10% reduction in commercial/industrial/institutional use
 3. DWR 20x2020 hydrologic region target (South Coast region = 149 gpcd)
 4. Option to be developed by October 2010

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2010 UWMP

- ❖ Reduction Target Option 4
 - Subject to DWR public process during 2010
 - Will identify targets to achieve cumulative statewide 20% reduction
 - Must allow flexibility for water supplier service area characteristics

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2010 UWMP

- ❖ Wholesalers (such as CLWA) must describe in the UWMP “an assessment of present and proposed future measures, programs and polices to help achieve the water use reductions required” of retailers in their service areas.

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2010 UWMP

- ❖ DWR Public Process Issues
 - DWR will derive methodologies for SBX7-7 calculations: population, base gross water use, compliance levels, sector water use, others
 - If DWR derives new standards, agencies will be required to use them
 - Won't be final until October 2010
 - Option 4 method won't be final until December 2010.

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2010 UWMP

- ❖ DWR Public Process Issues, (cont'd.)
 - If work has already been done, it may need to be repeated;
 - If agency has already adopted UWMP, it may need to be amended
- = Reason for UWMP deadline extension to July 1, 2011
(Note: wholesaler UWMPs still due by Dec 31, 2010; legislation in process to apply extension to them)

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SBX7-7 Methodologies Status

- ❖ DWR has convened the Urban Stakeholder Committee ("USC")
 - Co-chaired by DWR and CUWCC
- ❖ Has formed an Agency Team: DWR, SWRCB, CPUC, CDPH, CBDA, USBR
- ❖ Has hired a consultant team (mainly economists and statisticians)

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SBX7-7 Methodologies Status

- ❖ USC has held three meetings to date (next: tomorrow, 7/28/10)
- ❖ DWR has defined several technical methodologies efforts, based on statute
- ❖ DWR Legal has reviewed statute and provided guidance to DWR staff and consultant team
- ❖ Developed a set of Issue Papers for each methodology in statute
- ❖ Has created groupings according to task:

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SBX7-7 Methodologies Status

- ❖ U3:
 - Gross water use
 - Service area population
 - Base daily per capita use
 - Compliance daily per capita use
 - Landscape area water use
 - Baseline CII use
 - Compliance year adjustment criteria
 - Indoor residential use

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SBX7-7 Methodologies Status

- ❖ U4:Target Reduction Option 4
 - Proposal from ACWA
 - Two proposals from various CUWCC members (IRWD/City of San Luis Obispo/City of Long Beach; and Western Municipal Water District)
 - DWR/Consulting Team proposal
- ❖ U4 Workgroup set up, focus on how to formulate methodology

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SBX7-7 Methodologies Status

- ❖ U5: Process Water
 - Use by Commercial, Industrial, Institutional customers
- ❖ U6: Regional Compliance
 - **Guidance for Regional UWMPs and Conservation Target Reductions**

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SBX7-7 Methodologies Status

❖ Schedule:

- June 22 & 23 USC and U4 Meetings at IEUA
- July 28 USC Meeting
- **August 5 & 6 U3 Public Workshops**
- August 26 USC Meeting
- September 21 USC Meeting
- October 1 finalize U3 methodologies
- **October 27 & 29 U4 Public Meetings**
- November 15 USC Meeting
- December 31 U4 method finalized

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2010 UWMP- SBX7-7

❖ SBX7-7 Questions?

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Recycled Water

❖ Lynn Takaichi, Kennedy/Jenks Consultants

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Recycled Water

- ❖ Based on 2002 Recycled Water Master Plan and 2006 Programmatic EIR
 - Modified Phasing and Pipeline Alignments
 - Both VWRP and SWRP Utilized
 - Potential Onsite RW Production
- ❖ Current Production = 430 AFY
- ❖ Ultimate Production = 17,400 AFY, plus 5,344 AFY from Newhall Ranch WRP
- ❖ Will Help the SCV Meet 20x2020 Goals

Enduring Relationships - Trusted Expertise - Promises Delivered

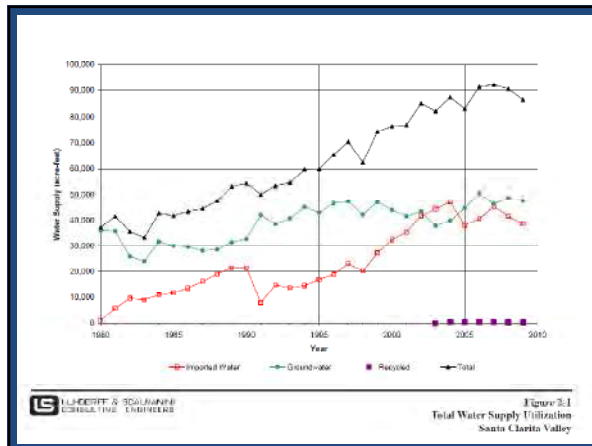
Groundwater Supplies

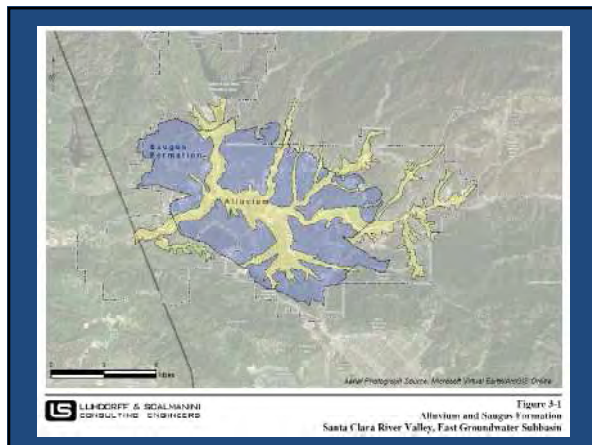
- ❖ Joe Scalmanini - Luhdorff and Scalmanini

Groundwater Component of Water Supplies

2010 Urban Water Management Plan

- Castaic Lake Water Agency • CLWA Santa Clarita Water Division
- Los Angeles County Waterworks District 36
- Newhall County Water District • Valencia Water Company





Groundwater Management Plan (2003)

Management Objectives (Goals) for the Basin

- development of integrated surface water, groundwater, and recycled water supply to meet existing and projected uses
- determination of operational groundwater yield to avoid overdraft = sustainability
- preservation of groundwater quality, including solution of contamination problems
- preservation of interrelated surface water resources = maintenance of surface water flows and non-degradation of quality

Groundwater Management Plan (2003)

Elements

- groundwater monitoring
- surface water monitoring
- basin yield analysis
- regular and dry year water supplies
- continued conjunctive use
- long-term salinity management
- integration of recycled water
- mitigate contamination
- local, state and federal relationships
- public education and water conservation
- recharge wellhead protection areas
- well construction and destruction policies
- provisions to add additional components

Annual Water Reports (1998-present)

Annual Water Requirements and Supplies

- actual water use
- sources of supply to meet actual use

Groundwater

- Alluvial and Saugus aquifer conditions

Supplemental Water Supplies

- State Water Project
- banking and other programs

Water Quality

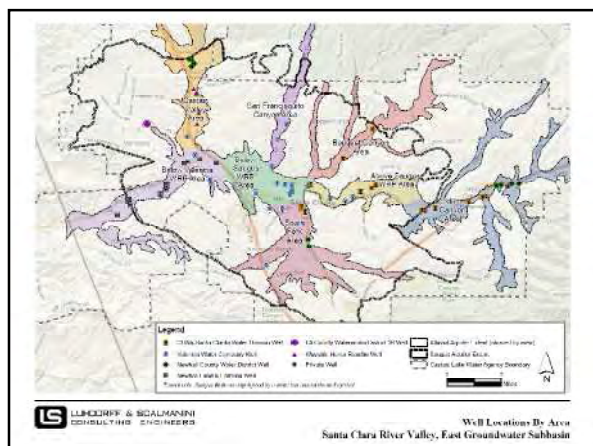
Recycled Water

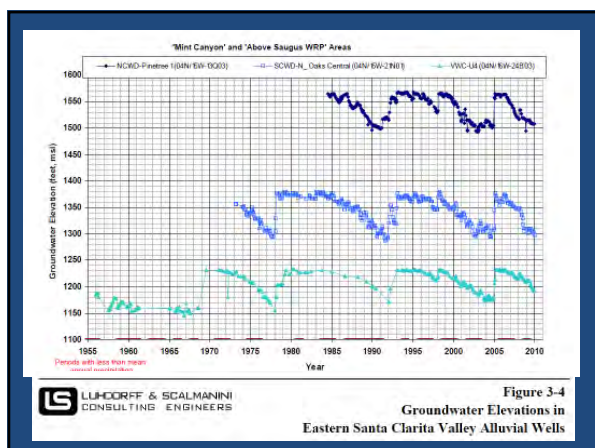
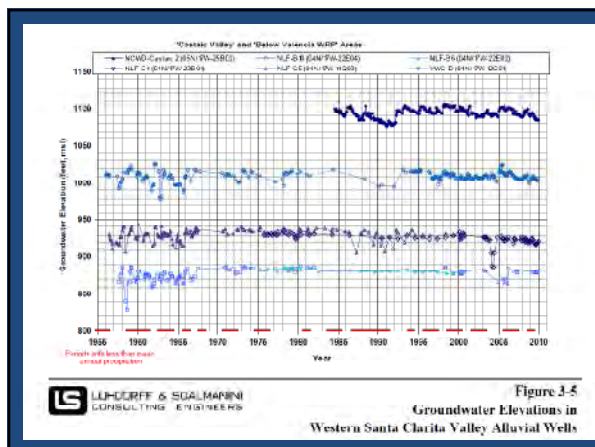
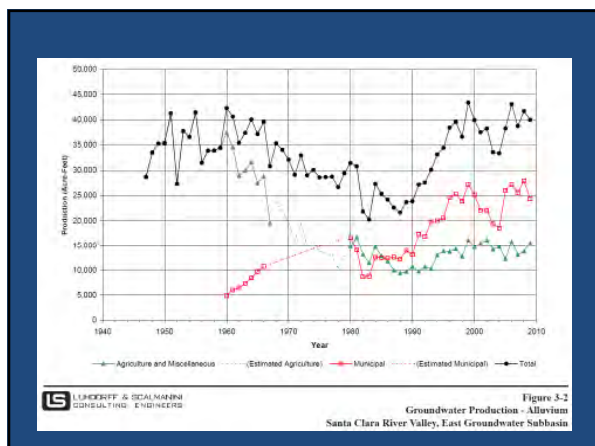
Santa Clara River

- outflows from Santa Clarita Valley

Short-Term (one year) Outlook

- water requirements adjusted from UWMP
- surface water, groundwater and recycled water supplies
- adequacy of water supplies







2008 Groundwater Operating Plan

| Groundwater Pumping 2010 UWMP | | | | |
|----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Aquifer | Normal Years | Dry Year 1 | Dry Year 2 | Dry Year 3* |
| Alluvium | 30,000-40,000 (38,600) | 30,000-35,000 (36,500) | 30,000-35,000 (34,850) | 30,000-35,000 (34,850) |
| Saugus | 7,500-15,000 (12,485) | 15,000-25,000 (19,125) | 21,000-25,000 (25,227) | 21,000-35,000 (34,977) |

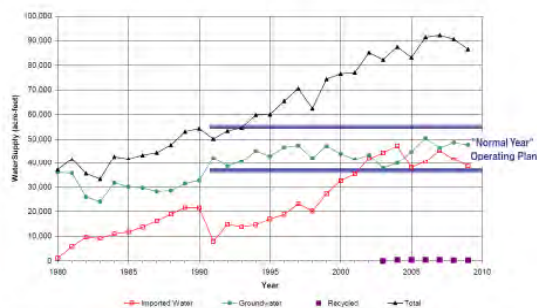


Figure 2-1
Total Water Supply Utilization
Santa Clarita Valley

Sustainability and Achievability

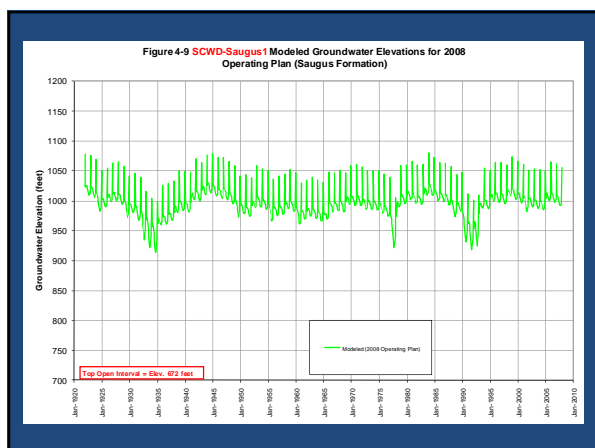
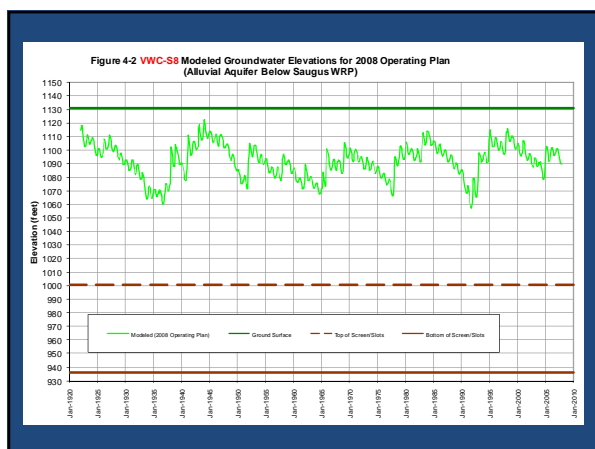
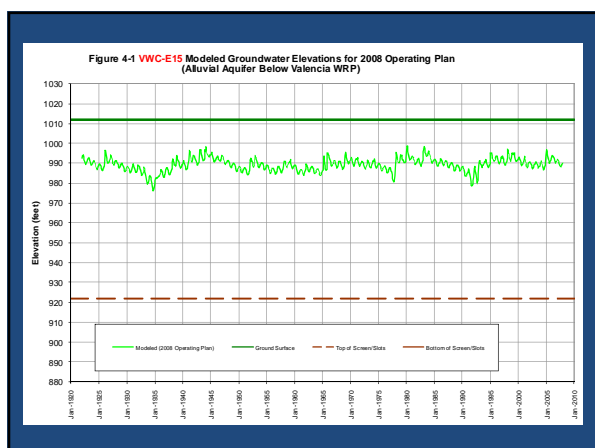
Sustainability

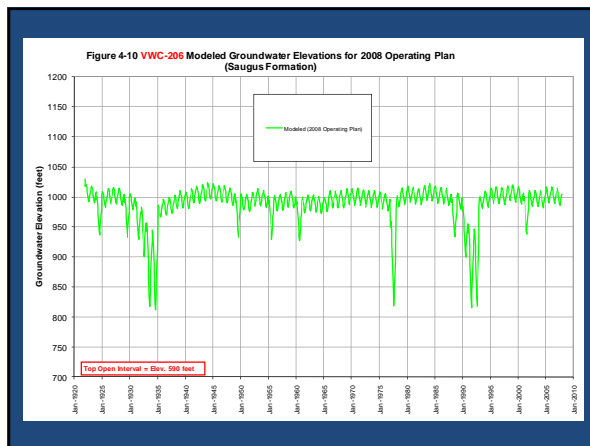
"lack of chronic, or sustained, depletion of groundwater storage, as indicated by projected groundwater levels, over a reasonable range of wet, normal, and dry hydrologic conditions" (86 years: 1922-2007)

"maintenance of surface water flows in the western portion of the basin (which are partially maintained by groundwater discharge) and surface water outflow to downstream basins over the same range of hydrologic conditions"

Achievability

maintenance of groundwater levels above, or only temporarily slightly into, the intake (screened or perforated) sections of production wells





2008 Operating Plan Conclusions

Operating Plan is fully sustainable (no chronic groundwater level declines; no depleted stream flow) and mostly achievable (limited dry-period declines in eastern part of Valley)

Achievability issues in extended dry periods can be resolved by redistribution of some pumping to the west

- with redistribution, retain dry-period Alluvial pumping near 35,000 afy
- without redistribution, dry-period Alluvial pumping closer to 30,000 afy

Climate Change Impacts

Studied 9 of 112 published climate change projections; same 9 projections as evaluated by DWR for reliability of SWP

Selected 3 projections for variety of rainfall cycles during UWMP planning horizon and beyond

- #1 = considerable fluctuation and generally wetter through UWMP, then long-term drying of climate
- #9 = less fluctuation and generally drier through UWMP, then sustained long-term wetting of climate
- #6 = less fluctuation and generally drier through UWMP, then long-term fluctuating cycles of below-normal and above-normal rainfall

Simulated customized operating plan for 86 years: 2010-2095

- simulated revised infiltration of precipitation, storm water, River inflow and Castaic Creek for three climate projections
- varied year-to-year Alluvial pumping dependant on prior year hydrology

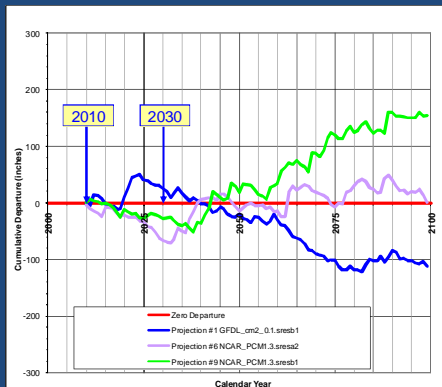
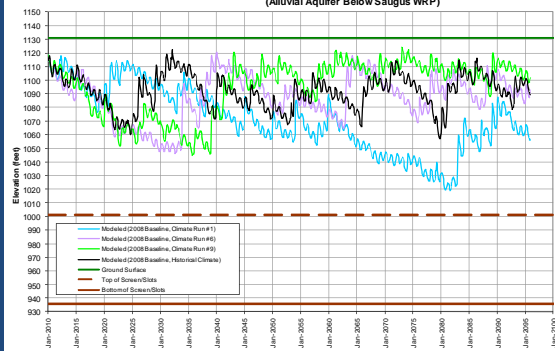
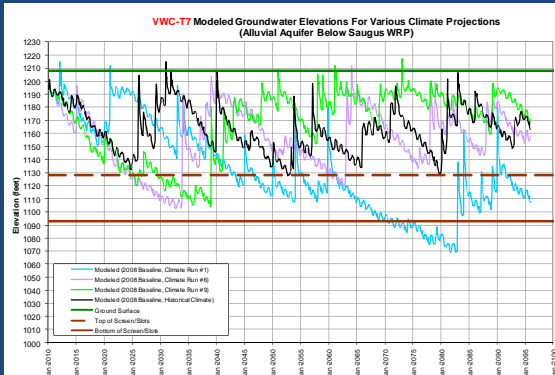


Figure 53: VWC-S8 Modeled Groundwater Elevations For Various Climate Projections (Alluvial Aquifer Below Saugus WRP)



VWC-T7 Modeled Groundwater Elevations For Various Climate Projections (Alluvial Aquifer Below Saugus WRP)



Climate Change “Conclusions”

No assurance of nature of potential climate change

For broad range of climate change possibilities, Operating Plan sustainable and achievable through shorter-term horizon of UWMP

Broad range of potential climate change extends from long-term dry to wet

- Operating Plan sustainable through average to wetter “changed” climate
- Operating Plan unsustainable through long-term drying climate due to decreased local recharge and resultant declining groundwater levels

Total Groundwater Supply Santa Clarita Valley

| | Normal Years | | |
|----------------------|----------------|------------------|---------------|
| | Alluvium (afy) | Saugus Fm. (afy) | Total (afy) |
| Municipal Purveyors | 25,850 | 11,485 | 37,335 |
| Agriculture & Others | 12,750 | 1,000 | 13,750 |
| Total | 38,600 | 12,485 | 51,085 |

| | Multiple Dry Years | | |
|----------------------|----------------------|----------------------|----------------------|
| | Alluvium (afy) | Saugus Fm. (afy) | Total (afy) |
| Municipal Purveyors | 23,800-22,250 | 18,125-33,975 | 41,975-56,225 |
| Agriculture & Others | 12,700-12,600 | 1,000 | 13,700-13,600 |
| Total | 36,500-34,850 | 19,125-34,975 | 55,675-69,825 |

State Water Project Supply Reliability

Nancy Clemm, P.E.

State Water Project Supply Reliability

- ❖ Source: "Draft State Water Project Delivery Reliability Report 2009," Department of Water Resources (DWR).
- ❖ Includes estimates of current (2009) and future (2029) water delivery reliability of the State Water Project (SWP).
- ❖ Delivery estimates made using DWR's operations simulation model of SWP/Central Valley Project system.

Model Studies in 2009 SWP Reliability Report

Current (2009)

- ❖ Represents estimates of current reliability under existing conditions.
- ❖ Based on historical hydrology, existing SWP facilities, existing operating constraints, and current demands.

Future (2029)

- ❖ Represents estimates of future reliability if no change to SWP facilities or operating constraints.
- ❖ Based on hydrology adjusted to reflect effect of climate change, and increased future demands.

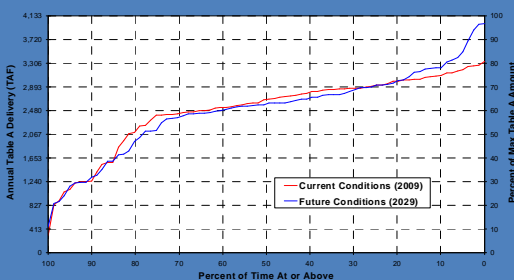
Modeling Assumptions in 2009 SWP Reliability Report

| | Current (2009) | Future (2029) |
|--------------------|---|--|
| Hydrology | Historical (based on 1922-2003) | Historical, adjusted for effect of climate change |
| SWP Facilities | Existing | Same |
| Operating Criteria | SWRCB D-1641 FWS Biological Opinion NMFS Biological Opinion | Same |
| SWP Demands | | |
| Table A water | 3.0 – 4.1 MAF | 4.1 MAF (Max Table A amount) |
| Article 21 water | 414 or 214 TAF/mo | Same |

Changes Since 2005 Reliability Report: Modeling Assumptions

- ❖ Extended hydrologic period: now 1922-2003.
- ❖ Inclusion of effects of climate change in future study.
- ❖ Addition of operational constraints from FWS and NMFS Biological Opinions.
- ❖ Higher SWP demands (both Table A and Article 21 water).
- ❖ Inclusion of contractor carryover.

Results from 2009 Reliability Report: SWP Table A Delivery Probability



Results from 2009 Reliability Report: Average and Dry Period Deliveries

| Total SWP Table A Delivery from Delta (in percent of max Table A amount*) | | | | | | |
|---|---------------------|------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Study | Average (1922-2003) | Single dry year (1977) | 2-year drought (1976-77) | 4-year drought (1931-34) | 6-year drought (1987-92) | 6-year drought (1929-34) |
| Current (2009) | 60% | 7% | 36% | 34% | 35% | 34% |
| Future (2029) | 60% | 11% | 38% | 35% | 32% | 36% |

* Total maximum Table A amount from Delta is 4,133 TAF.

Comparison to 2005 Reliability Report: Delivery Results

- Lower average SWP deliveries.
- Higher single dry year deliveries (1977).
- Variable effect on multiple dry year deliveries.

Total SWP Table A Delivery from Delta (in percent of max Table A amounts)

| Study | Average (1922- 94/2003) | Single dry year (1977) | 2-year drought (1976-77) | 4-year drought (1931-34) | 6-year drought (1987-92) | 6-year drought (1929-34) |
|-------------|-------------------------------|------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| 2005 Report | | | | | | |
| Current | 68% | 4% | 41% | 32% | 42% | 37% |
| Future | 77% | 5% | 40% | 33% | 42% | 38% |
| 2009 Report | | | | | | |
| Current | 60% | 7% | 36% | 34% | 35% | 34% |
| Future | 60% | 11% | 38% | 35% | 32% | 36% |

Applying SWP Reliability Report Results to Castaic Lake Water Agency

- ❖ SWP Reliability Reports show total SWP deliveries.
- ❖ Prior to 2009 report, DWR directed SWP contractors to determine their share of total deliveries as the proportion of their agency's Table A amount to sum of all contractors' Table A amounts.
- ❖ In 2009 report, DWR directs using this same method for average deliveries, but recommends using contractor-specific delivery data for single year or short periods.

Applying SWP Reliability Report Results to Castaic Lake Water Agency (con't)

- ❖ In studies for 2009 report, delivery results differ by contractor due to differing contractor demands and inclusion of modeling of contractor carryover water.
- ❖ Carryover water is Table A water allocated to a contractor in one year which, if storage is available in SWP's San Luis Reservoir, can be "carried over" for delivery to that contractor the following year.
- ❖ Carryover can provide additional supply in dry years, but availability and usability differ by contractor.
- ❖ CLWA service area demands are currently low relative to its Table A amount, so carryover is likely to provide dry-year supply in near term.

Results from 2009 Reliability Report Studies: Deliveries to CLWA

| Total SWP Table A Delivery to CLWA (including carryover) | | | | | | |
|--|----------------------------|------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Study | Average (1922- 2003) | Single dry year (1977) | 2-year drought (1976-77) | 4-year drought (1931-34) | 6-year drought (1987-92) | 6-year drought (1929-34) |
| Current (2009) | | | | | | |
| Delivery (TAF) | 58.3 | 12.8 | 44.0 | 32.8 | 34.4 | 33.4 |
| % of Table A* | 61% | 13% | 46% | 34% | 36% | 35% |
| Future (2029) | | | | | | |
| Delivery (TAF) | 57.4 | 9.1 | 34.1 | 33.0 | 29.6 | 33.8 |
| % of Table A* | 60% | 10% | 36% | 35% | 31% | 36% |

* CLWA Table A amount is 95.2 TAF.

Comparison to 2005 Reliability Report: Deliveries to CLWA

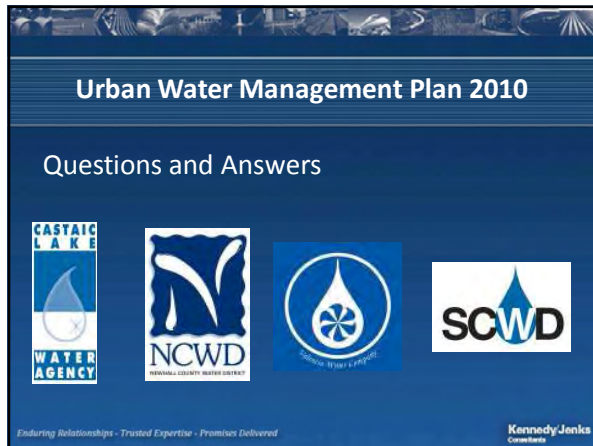
- Lower average SWP deliveries.
- Higher single dry year deliveries (1977).
- Variable effect on multiple dry year deliveries.

| Total SWP Table A Delivery to CLWA | | | | | | |
|------------------------------------|-------------------------------|------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Study | Average (1922- 94/2003) | Single dry year (1977) | 2-year drought (1976-77) | 4-year drought (1931-34) | 6-year drought (1987-92) | 6-year drought (1929-34) |
| 2005 Report | | | | | | |
| Current | 64.7 | 3.8 | 39.0 | 30.5 | 40.0 | 35.2 |
| Future | 73.3 | 4.8 | 38.1 | 31.4 | 40.0 | 36.2 |
| 2009 Report | | | | | | |
| Current* | 58.3 | 12.8 | 44.0 | 32.8 | 34.4 | 33.4 |
| Future | 57.4 | 9.1 | 34.1 | 33.0 | 29.6 | 33.8 |

* Includes deliveries of carryover water.





State Water Project Supply Reliability

Q & A -



Urban Water Management Plan 2010

Questions and Answers

Enduring Relationships - Trusted Expertise - Promises Delivered

Kennedy/Jenks Consultants



Consultant Team

- Kennedy/Jenks Consultants
- Luhdorff and Scalmanini
- Nancy Clemm, P.E.
- Stacy Miller Public Affairs

Enduring Relationships - Trusted Expertise - Promises Delivered

Kennedy/Jenks Consultants



Future Meeting Dates and Times

- ❖ Public Workshops
 - May 25, 2010
 - July 27, 2010
 - September 28, 2010
- ❖ Hearings (Tentative)
 - October 1
 - November 30
- ❖ Adoption (Tentative)
 - CLWA December 31, 2010?
 - Purveyors June 2011?

Enduring Relationships - Trusted Expertise - Promises Delivered

Kennedy/Jenks Consultants

(ORIGINAL)

Santa Clarita Valley Urban Water Management Plan

July 27, 2010 - Community Workshop Sign In Sheet

| PRINT NAME | ORGANIZATION | TITLE | PHONE | EMAIL |
|------------------------|--------------------------------|-------------------------------|----------------|-----------------------------|
| 1. F. MARSHALL PASTER | | | (661) 252 6057 | 20401 Soledad Cyn Rd 358 |
| 2. Tracy Meller | SMPA | | | CANYON COUNTRY CA 91351 |
| 3. Dirk Marks | CUWA | WRM | | |
| 4. Mary Lou Cotton | K/J | | | |
| 5. Matt Dickens | YWC | Resource Conservation Manager | 661-250-5132 | MDickens@valleiaqua.com |
| 6. JANI E THOMAS | PRIVATE | | 661 222-7450 | 22 pupperwolf@att.net |
| 7. Kevin Korenthel | Self | | (661) 310-0769 | |
| 8. Cathy Holloman | SCWA | Assoc WR Planner | 661-259-2737 | cholloman@scwater.org |
| 9. Harold Geiger | private | Homeowner | 661 354 6478 | hkgeiger@sbcglobal.net |
| 10. Kendra Geiger | " | " | " " " | " |
| 11. PAUL B. STRICKLAND | ASSEMBLYMAN CANDIDATE SMYTH | FIELD REP | 661 714 6999 | LUCK4US@ca.rr.com |
| 12. Patrick Bryant | City of SC | Admin Analyst | 661-255-4902 | pbryant@santa-clarita.com |
| 13. mari johnson | Self | | 661 360 8178 | mari.johns7@yahoo.com |
| 14. Steve Cole | News | G.M | | SCOLE@News.org |
| 15. P Adams | HOA | | | |
| 16. S Moss | HOA | | | |
| 17. B Bottaro | HOA | | | |
| 18. Jose H Aguila | Aguila Consulting | owner | 661-259-5641 | aguilaland@sbcglobal.net |

Santa Clarita Valley Urban Water Management Plan

July 27, 2010 - Community Workshop Sign In Sheet

| PRINT NAME | ORGANIZATION | TITLE | PHONE | EMAIL |
|--------------------|-----------------------------------|-------|--------------|----------------------------------|
| 1. Maureen Wade | Interested Citizen | | 661-254-2370 | mobrownies@ccr.rcc |
| 2. Rosalind Wynn | SOS | | | |
| 3. JEFF SAVANNAH | Resident | | | JSBANDWORKS@AOL |
| 4. JASON SMISTO | Santa Clarita | | | |
| 5. Rebecca Correa | Waterwise | | | rcorrea@waterwise-consulting.com |
| 6. DAN RAMLER | Smith Canyon | | | |
| 7. Robert DiPrimio | Valencia Water | | | rdiprimio@valenciawater |
| 8. David Fryman | self | | | engrdave@mac.com |
| 9. Julie Holman | Jan's Greener Landscape Design | | | |
| 10. Jackie Bick | Sew. M. Runner | | | |
| 11. Henry Schultz | SELF | | 661-284 5613 | HENRY56@PACBELL.NET |
| 12. JESSICA BUNKER | LAC WND | | 661-330-3315 | jbunker@dpw.lacounty.gov |
| 13. RAY ARSNOW | Home owner | | — | IRSTEAMER@Yahoo.com |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |

Santa Clarita Valley Urban Water Management Plan

July 27, 2010 - Community Workshop Sign In Sheet

| PRINT NAME | ORGANIZATION | TITLE | PHONE | EMAIL |
|-------------------|--------------------|-------|--------------|------------------------|
| 1. Sally Bowler | Self | 4 | 661-313-8324 | sallybowler@yahoo.com |
| 2. Sandra Cattell | Sierra Club | | 661-259-0433 | sumcatt@yahoo.com |
| 3. Carole Intress | SEV Fair Electrics | | 661-755-3772 | CaroleIntress@Att.Co. |
| 4. DAN MASNATA | CIWA Retiree | G.M. | 661-297-1600 | |
| 5. Nancy Andrews | DWR | | 661-295-6771 | |
| 6. Frank Smathers | customer | | 661-296-0511 | thunder1road@gmail.com |
| 7. | | | | |
| 8. | | | | |
| 9. | | | | |
| 10. | | | | |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
| 14. | | | | |
| 15. | | | | |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |

September 2010 UWMP Workshop Notification of Postponement

Public Outreach Record

**2010 Santa Clarita Valley
Urban Water Management Plan**



Creative Solutions to Complex Situations

September 14, 2010

«AddressBlock»

Subject: **September 2010 UWMP Workshop Postponed**

«GreetingLine»

Thank you for your interest in the 2010 Urban Water Management Plan (UWMP) and/or your attendance at one of the recent community workshops.

This is to notify you that the originally scheduled **September 28, 2010 UWMP workshop** has been **postponed** as we are awaiting UWMP document guidelines from the State of California which will not be released until the end of October, 2010.

The next 2010 UWMP community workshop will provide the most current information on components of the 2010 planning document and will take place as follows:

Date: Tuesday, November 16, 2010
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

The Urban Water Management Plan presents a picture of the valley's water situation through the year 2035 and describes the long-range water needs of the community and the means to supply the necessary water.

I encourage your participation at the November community workshop and look forward to seeing you then. If you have any questions, please feel free to contact me.

Sincerely,

Stacy Miller
Public Outreach Manager
2010 SCV Urban Water Management Plan

Government Affairs, Public Relations & Communication

P.O. Box 55745, Valencia, CA 91385 [818] 402-5806 [661] 222-9733 Fax stacy@StacyMillerPA.com
www.StacyMillerPA.com

SANTA CLARITA VALLEY

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

POSTPONED

Friday
9-24-10
Signal

The originally scheduled September 28, 2010 UWMP workshop has been postponed as we are awaiting UWMP document guidelines from the State of California which will not be released until the end of October, 2010.

The next 2010 UWMP community workshop will provide the most current information on components of the 2010 planning document and will take place as follows:

New Workshop Date is:

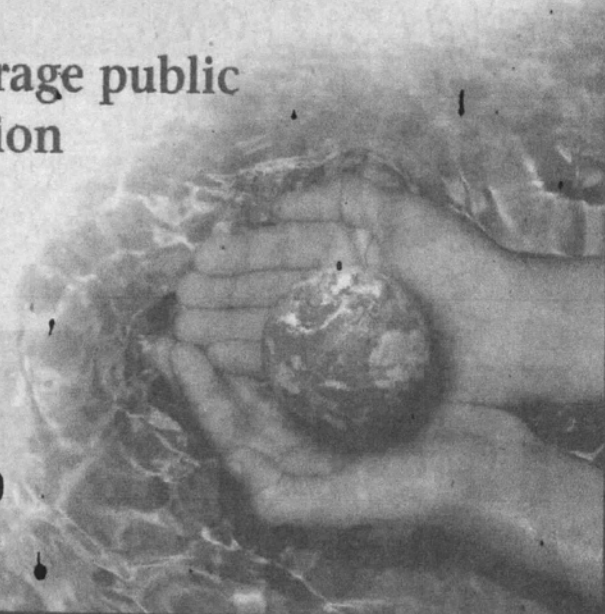
Date: Tuesday, November 16, 2010

Time: 4:00 pm

Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

We encourage public participation and input

For more information, please call
(661) 297-1600



Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

November IRWM Stakeholder Presentation

Public Outreach Record

**2010 Santa Clarita Valley
Urban Water Management Plan**

November 9 Upper Santa Clara River IRWM Stakeholders Meeting Notification

To: Jeff Ford
Cc: Jeff Ford
Subject: RE: November 9 Upper Santa Clara River IRWM Stakeholders Meeting

From: Jeff Ford
Sent: Thursday, October 28, 2010 7:55 AM
To: Jeff Ford
Subject: November 9 Upper Santa Clara River IRWM Stakeholders Meeting


Dear Upper Santa Clara River IRWM Stakeholders:

Our next meeting will be one week from today at the City's Activities Center. We have had several meetings at this location now, but you can go to the City's website if you need directions, or map the address (20880 Centre Pointe Parkway, Santa Clarita, California 91350). On the agenda is an update of our grant applications, an update of the activities of the Invasive Weeds Task Force and an overview of the 2010 Urban Water Management Plan for the Santa Clarita Valley presented by the consultants working on it (an agenda is attached). We will start as usual at 2:30 p.m., but probably end a little later than normal given the items on the agenda.

Hope to see you all there.

Regards,


Jeff Ford
Principal Water Resources Planner
Castaic Lake Water Agency
(661) 513-1281




Urban Water Management Plan

Upper Santa Clara River Watershed
Integrated Regional Water Management Plan
Stakeholder Meeting
Tuesday, November 9, 2010

Enduring Relationships - Trusted Expertise - Promises Delivered







IRWMP Stakeholder Meeting UWMP Overview

- ❖ What is an UWMP?
- ❖ Who is required to submit an UWMP?
- ❖ Why are UWMPs developed?
- ❖ When are the UWMPs developed?
- ❖ Existing and new requirements of UWMPs
- ❖ Q&A

Enduring Relationships - Trusted Expertise - Promises Delivered







What is an Urban Water Management Plan?

- ❖ An Urban Water Management Plan is a comprehensive planning process whereby urban water suppliers describe and evaluate sources of water supply, efficient uses of water, demand management measures, implementation strategy and schedule, and other relevant information and programs.


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Who is required to prepare an UWMP?


- ❖ Publicly or privately owned water suppliers (including wholesalers), providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet annually.



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Why are UWMPs Developed?

- In adherence to the 1983 Urban Water Management Planning (UWMP) Act and subsequent legislation
- To develop a framework for agencies to integrate programs and projects that enhance the quality and quantity of regional water supplies
- To identify gaps between supply and demand through time (20-year analysis required)
- To provide detailed description of all supply sources (surface, recycled, groundwater)

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Why are UWMPs Developed? (Cont'd.)

- To identify Demand Management Measures (water conservation programs)
- To address water quality issues
- To develop water shortage contingency planning
- To describe how demand will be met through time, in all hydrologic year types (normal, multiple dry, critical dry)

Enduring Relationships - Trusted Expertise - Promises Delivered







When are UWMP Plans Developed?

- ❖ Suppliers are required to update UWMP every five-years (years ending in 0 or 5).
- ❖ 2010 – current update
- ❖ July 1, 2011 for retailers (SBx7-7 extended UWMP deadline for retailers but silent on extension for wholesalers.)
 - Under current UWMP Act, wholesalers should complete UWMP by December 31, 2010. But “cleanup legislation” (AB 2776 and SB 1478) extended deadline to July 1, 2011 for wholesalers.

Enduring Relationships - Trusted Expertise - Promises Delivered







Coordination and Notification Requirements

“Each urban water supplier shall coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practical.”

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Coordination and Notification Requirements

Other:

- Must hold public hearing prior to adoption of UWMP
- Must give cities and counties in service area 60 days notice prior to public hearing
- Must provide cities and counties and LAFCO in service area with copies of UWMP within 30 days of adoption

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Penalties

- Ineligible for State Grant and Loan Funding (at least until plan is completed to DWR satisfaction)
- Vital to the IRWMP process!

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What, Who, Why, When, etc...

❖ Q&A/Discussion

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New Requirements for 2010 UWMP

❖ New Law: SBX7-7 ("20% x 2020"), reporting starts with 2010 UWMPs

- Base gross water use in gpcd: must be calculated using one of three methodologies
- Target reduction from base by 2020: reporting requirements differ for retailers vs. wholesalers
- Must be calculated using one of four methodologies
- Agencies must hold public hearing to explain how targets will be met (can be held as part of UWMP hearing)

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New UWMP Requirements

- ❖ Base gross water use in gpcd: calculation
Total volume of water (treated or not) entering the retail distribution system, divided by the total population of the service area
(Excludes: recycled water, net volume into long-term storage, water conveyed to another retailer, agricultural water)

Enduring Relationships - Trusted Expertise - Promises Delivered







New UWMP Requirements

- ❖ Base gross water use in gpcd: methodologies
 - 10-year average
 - ending no earlier than 2004 – no later than 2010; OR
 - 15-year average if 10% of 2008 demand met by recycled water
 - get to add 5 years to calculation; AND
 - 5-year average
 - at least 5% reduction if agency is already close to 100 gpcd
 - ending no earlier than 2007 – no later than 2010

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New UWMP Requirements

- ❖ Base gross water use in gallons per capita per day (gpcd)
 - Averages are determined on a rolling basis
 - Should review demands over various periods to determine hydrologic and demand year types
 - Recent economic impacts and drought response may have reduced demand!

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New UWMP Requirements

- ❖ Target reduction methodology options
 1. 20% reduction from base (i.e., 80% of average gross water use in gpcd)
 2. Combination of state standards:
 - 55 gpcd indoor residential + landscape use at 70% -80% ETo + 10% reduction in commercial/industrial/institutional use
 3. DWR 20x2020 hydrologic region target (South Coast region = 149 gpcd)
 4. Option to be developed by October 2010

Enduring Relationships - Trusted Expertise - Promises Delivered







New UWMP Requirements

- ❖ Reduction Target Option 4
 - Subject to DWR public process during 2010
 - Will identify targets to achieve cumulative statewide 20% reduction
 - Must allow flexibility for water supplier service area characteristics

Enduring Relationships - Trusted Expertise - Promises Delivered







New UWMP Requirements

- ❖ Issues: DWR will derive methodologies for calculations: population, base water use, gross water use, sector water use, Option 4, others
 - As DWR derives new methodology standards, agencies may be required to use them
 - Won't be final until December 2010
 - If work has already been done, it may need to be repeated
- = Reason for UWMP deadline extension to July 1, 2011

Enduring Relationships - Trusted Expertise - Promises Delivered







New UWMP Requirements

❖ Other

- SB 1087 (Florez) - requires an UWMP to include projected water use for single-family and multi-family residential housing for lower income households as identified in the housing element of any city, county, or city and county in the service area of the supplier.

Enduring Relationships - Trusted Expertise - Promises Delivered






Consultant Team

- Kennedy/Jenks Consultants
- Luhdorff and Scalmanini
- Nancy Clemm, P.E.
- Stacy Miller Public Affairs

Enduring Relationships - Trusted Expertise - Promises Delivered





Questions, Answers and Discussion






Enduring Relationships - Trusted Expertise - Promises Delivered





Future Meeting Dates and Times

- ❖ Public Workshops
 - May 25, 2010
 - July 2, 2010
 - November 16, 2010
 - January 11, 2011 (tentative)
 - March 8, 2011 (tentative)
- ❖ Public Hearings
 - January 26, 2011 (tentative)
 - March 23, 2011 (tentative)
 - April 27, 2011 (tentative)
- ❖ Adoption
 - June 2011

Enduring Relationships - Trusted Expertise - Promises Delivered



Upper Santa Clara River Watershed Integrated Regional Water Management Plan

Stakeholder Meeting #18
Tuesday, November 9, 2010

2:30 pm – 4:30 pm

**City of Santa Clarita Activities Center
20880 Centre Pointe Parkway
Santa Clarita, California 91350**

Meeting Objectives:

- Updates on Grants
- Invasive Weeds Task Force Report
- 2010 Urban Water Management Plan Workshop

AGENDA

- | | |
|-------------|---|
| 2:30 | I. Welcome and Introductions A. Meeting purpose and outcomes B. Stakeholder self-introductions <i>Jeff Ford, CLWA</i> |
| <hr/> | |
| 2:35 | II. Project Updates/Prioritization A. Planning Grant Update B. Planning Grant Schedule C. Implementation Grant Update D. Final Suite of Projects E. Implementation Grant Schedule <i>Jeff Ford, CLWA</i> |
| <hr/> | |
| 2:45 | III Santa Clara River Invasive Weeds Task Force A. Results of October Meeting B. Future Activities <i>Heather Merenda, City of Santa Clarita</i> |
| <hr/> | |
| 3:00 | IV. 2010 Urban Water Management Plan |
| <hr/> | |
| 4:30 | V. Close |
-

UPPER SANTA CLARA RIVER INTEGRATED REGIONAL WATER MANAGEMENT PLAN

Stakeholder Meeting #18

November 9, 2010

City of Santa Clarita, Activities Center

Meeting Summary

PURPOSE AND MEETING OVERVIEW

The purpose of this 18th stakeholder meeting was to:

- Update Stakeholders on Grants
- Report on the Invasive Weeds Task Force
- Hold a Workshop on the 2010 Urban Water Management Plan

Stakeholders representing public agencies and private, non-profit organizations attended this meeting.

UPDATE ON THE IRWM PROCESS

Jeff Ford provided a recap and explanation of the progress on grant applications for both the Planning Grant and the Implementation Grant including:

- Overview of new Plan requirements
- The submittal of a Planning Grant application in September and the schedule for DWR to award.
- Progress on preparing an Implementation Grant application and the expected schedule for DWR to accept applications and make awards.
- Review of the final project suite in the Implementation Grant application and approval of including a project not in the adopted IRWMP: the Valencia Water Company's Santa Clarita Valley Southern End Recycled Water Project.

UPDATE ON THE SANTA CLARA RIVER INVASIVE WEEDS TASK FORCE

Heather Merenda from the City of Santa Clarita discussed the Task Force's progress to date and gave an overview of the goals of the Task Force. She noted that the next meeting was scheduled for January in Filmore. More details will be sent to the stakeholders as they become available, but interested parties were encouraged to join the Task Force directly.

OVERVIEW OF THE 2010 URBAN WATER MANAGEMENT PLAN

Stacy Miller of Stacy Miller Public Affairs and Mary Lou Cotton of Kennedy/Jenks Consultants gave an overview of the requirements of the UWMP Act, the contents of the UWMP and the progress to date on the 2010 UWMP. They detailed the schedule of workshops and hearings leading the adoption of the UWMP in June of 2011.

OTHER ITEMS

Jeff Ford announced that the next Stakeholders Meeting is tentatively scheduled for January at a location TBD. Meeting notices will be emailed to stakeholders once a date is determined.

IRWMP Invitee & Attendee List - 11-9-10

| Organization | Telephone Number | Fax Number | e-mail address | Initial |
|---|----------------------------|----------------|----------------------------------|---|
| LA County Regional Planning | (213) 974-6476 | | madams@planning.lacounty.gov |  |
| DWR, Glendale, CA | (818) 500-1645 | | ljurkevl@water.ca.gov |  |
| California Native Plant Society | | | | |
| LA Co Flood Control District | Memerva Ariki 626-458-4314 | | mariki@dpw.lacounty.gov |  |
| Atkins Environmental | (661) 266-2260 | (661) 253-3555 | bj@atkinsenvironmental.com |  |
| Building Industry Association | (661) 257-5046 | | nayala@biaglav.org | |
| Acton Town Council | (661) 269-2588 | | Airspecial@aol.com | |
| UCCE Water Quality Program | | | | |
| West Ranch Town Council | | | | |
| Senator George Runner | (661) 286-1471 | | jackie.bick@sen.ca.gov | |
| Los Angeles Sheriffs Department | | | wfbennet@lasd.org | |
| California Dept. of Water Resources | | | | |
| UCCE - Los Angeles | | | | |
| California Dept. of Water Resources | | | | |
| California Regional Water Quality Control Board | (213) 576-6679 | | sbirosik@waterboards.ca.gov | |
| LA County Flood Control District | | | HBORDAS@dpw.lacounty.gov | |
| CDFG | (661) 259-3750 | | | |
| Friends of the Santa Clara River | (805) 498-4373 | | bottofrfm@verizon.net | |
| UCCE Center for Water Resources | | | | |
| U.A.P. Timberland | | | | |
| California Coastal Conservancy | | | | |
| NRCS-Somis | | | | |
| U.S. Army Corps of Engineers | (213) 452-4057 | | darrell.w.buxton@usace.army.mil | |
| VCRCD-Wildscape Restoration | (805) 644-6852 | (805) 642-2127 | noreen@wildscaperestoration.com | |
| Los Angeles County DPW | (661) 947-7173 | | mcaddick@dpw.lacounty.gov | |
| USDA Forest Service | | | jcapell@fs.fed.us | |
| California Dept of Fish and Game | (805) 640-1852 | | mcardenas@dfg.ca.gov | |
| MIG Associates | | | joanc@migcom.com | |
| Newhall County Water District | (661) 259-3610 | | scole@ncwd.org | |
| Acton Town Council | (661) 269-5675 | | | |
| The Nature Conservancy | | | | |
| Kennedy/Jenks Consultants | (805) 658-0607 | | MaryLouCotton@KennedyJenks.com | |
| California Dept. of Fish and Game | (661) 263-8306 | | bcourtney@dfg.ca.gov | |
| Kennedy/Jenks Consultants | (805) 658-0607 | | MeredithClement@kennedyjenks.com | |
| | (818) 365-9847 | | d r crane@hotmail.com | |
| LA County DPW | (626) 458-3524 | (626) 458-3534 | ascruz@dpw.lacounty.gov | |
| Valley Crest Tree Company | (818) 737-2697 | | rcrudup@vctree.com | |
| Acton Town Council | (661) 269-3682 | (661) 269-3683 | wdavis289@hughes.net | |
| Assemblyman Cameron Smith | (661) 286-1565 | | jarrod.degoria@asm.ca.gov | |
| LA Co DPW | (626) 458-4313 | | bdepoto@dpw.lacounty.gov | |
| Valencia Water Company | (661) 294-0828 | | rdiprimio@valencia.com |  |

| Organization | Telephone Number | Fax Number | e-mail address | Initial |
|--|-----------------------|----------------|--|---------|
| The Nature Conservancy | | | tdoherty@tnc.org | |
| University of California Cooperative Extension | (323) 266-3404 | | sidrill@ucdavis.edu | |
| University of California, Santa Barbara | (805) 893-2911 | | tdudley@msi@uscsb.edu | |
| | (661) 251-9729 | (661) 259-1845 | water@dslextreme.com | |
| Santa Clarita Valley Well Owners Association | (661) 298-2000 | | rfleck@socal.rr.com | |
| Castaic Lake Water Agency | (661) 513-1281 | | jford@clwa.org | |
| LA Co DPW | (626) 458-6158 | | afuentes@dpw.lacounty.gov | |
| LA Co DPW Waterworks | (626) 300-3324 | (626) 300-3358 | hgallardy@dpw.lacounty.gov | |
| | | | avrcd@carcd.org | |
| LA Co Dept. of Regional Planning | (213) 974-6417 | | rglaser@planning.lacounty.gov | |
| Acton Town Council | | | | |
| | | | tgrant@ladpw.org | |
| Los Angeles County Sanitation District | | | fquerrero@lacsds.org | |
| West Ranch Town Council | (661) 254-6116 | | grf497@aol.com | |
| SCWD | | | | |
| Los Angeles County Sanitation District | (562) 908-4288 x 2832 | | fquerrero@lacsds.org | 791 |
| Santa Clarita Valley Environmental Coalition | | | mgutzeit@ca.rr.com | |
| LA County Public Works Department | (626) 458-5918 | | bhamamo@ladpw.org | |
| California DFG | | | spharris@cdfg.ca.gov | |
| Director Regional Planning | | | | |
| L.A. County Supv'r Mike | | | | |
| CLWA | (661) 513-1253 | | Thawes@clwa.org | |
| Agua Dulce Town Council | (661) 268-1731 | | | |
| Agua Dulce Town Council | (661) 268-1731 | | BH33605@AOL.com | |
| | (661) 295-7300 | | John@gruber-systems.com | |
| SCWD | (661) 259-2737 | | chollomon@scwater.org | 34 |
| County of Ventura | | | Susan.Hughes@Ventura.org | |
| U.S. Army Corps of Engineers | (213) 452-3826 | | james.d.hutchison@spl01.usace.army.mil | |
| Agua Dulce Town Council | | | jjennings3570@sbcglobal.net | |
| Environmental Protection Agency | | | | |
| Vulcan Materials Co., | | | | |
| CalTrans, District 7 - IGR/CEQA Branch | (213) 897-1346 | | edwin_kapmann@dot.ca.gov | |
| Valencia Industrial Association | | | | |
| LA County DPW | (626) 458-4350 | | fkim@dpw.lacountry.gov | |
| LA County Waterworks | (626) 300-3327 | | tikim@dpw.lacounty.gov | |
| Castaic Area Town Council | | | | |
| LA County Flood Control District | (626) 458-4350 | | Fkuo@dpw.lacounty.gov | |
| City of Santa Clarita | (661) 255-4337 | | TLANGE@santa-clarita.com | |
| Lakes Town Council | (661) 724-0150 | | cedar91@verizon.net | |
| | | | redraggles2@earthlink.net | |
| NRCS | (661) 945-2604 X 110 | | jae.lee@causda.gov | |

| Organization | Telephone Number | Fax Number | e-mail address | Initial |
|---|-------------------------|----------------|----------------------------|---------|
| Angeles National Forest | | | mlambardo@fs.fed.us | |
| SCOPE | | | | |
| Los Angeles County Sanitation District | (562) 699-7411 X 2802 | | blouie@lacsds.org | |
| Santa Clarita Valley Chamber of Commerce | (661) 702-6977 | | Lmankin@scvchamber.com | |
| Castaic Lake Water Agency | | | | |
| Aqua Dulce Town Council | | | | |
| Ventura Cty Watershed Protection District | | | | |
| LA County Dept. of Public Works | (661) 947-7173 | | mcaddick@dpw.lacounty.gov | |
| The Nature Conservancy | (805) 642-0345 ext. 502 | | cmccalvin@tnc.org | |
| L. A. County Regional Planning | | | | |
| United Water Conservation District | | | | |
| City of Santa Clarita | 661 284 1413 | | hmerenda@santa-clarita.com | |
| County of Ventura Ag. Commissioner's Office | | | | |
| The Nature Conservancy | (661) 642-0345 X 502 | | smatsumoto@tnc.org | |
| United Water Conservation District | | | | |
| Valencia Water Company | (661) 295-6512 | | gmilleman@valencia.com | |
| City of Santa Clarita | (661) 284-1413 | | hmerenda@santa-clarita.com | |
| Ventura County Resource Conservation District (VCRCD) | (805) 386-4685 | (805) 386-4890 | marty.melvin@vcred.org | |
| County of Ventura | | | | |
| Kennedy/Jenks Consultants | | | | |
| City of Santa Clarita | (661) 255-4959 | | cmonde@santa-clarita.com | |
| NRCS | | | | |
| County of Los Angeles, Department of Parks and Recreation | | | | |
| | | | TNGOV@dpw.lacounty.gov | |
| SCOPE | (661) 255-7112 | | | |
| Ventura Cty Watershed Protection District | | | kirk.norman@ventura.org | |
| | | | kathy@via.org | |
| Stillwater Sciences | (510) 848-8098 ext. 111 | | bruce@stillwatersci.com | |
| Tataviam Band of Mission Indians | | | | |
| | (661)251-6113 | | DOJTRUM@SOCAL.RR.COM | |
| South Coast Wildlands Project | | | | |
| Newhall Land | (661)257-1095 | | cperez@newhall.com | |
| Association of Water Agencies of Ventura County | | | | |
| Supervisor Antonovich's Office | (661) 287-3657 | | dperry@lacbos.org | |
| Los Angeles County Flood Control District | (805) 57-0497 | | | |
| SCOPE | | | | |
| Well Owner | (661) 297-4401 | | | |
| | | | avconservancy@yahoo.com | |
| SCV Well Owners Association | | | | |
| The Sierra Club, Angeles Chapter | | | | |
| County of Ventura | (805) 654-2455 | | lynn.rodriguez@ventura.org | |

| Organization | Telephone Number | Fax Number | e-mail address | Initial |
|---|-----------------------|----------------|------------------------------|---------|
| Ventura Cty Watershed Protection District | | | | |
| County of Ventura | | | | |
| Newhall County Water District | (661) 259-3610 | | krussell@ncwd.org | |
| LA County Waterworks District #36 & 37 | | | DRYDMAN@dpw.lacounty.gov | |
| Rivers and Mountains Conservancy | (626) 458-4315 | | fsimpson@rmc.ca.gov | |
| Aqua Dulce/Acton Country Journal | (661) 269-5804 | (661) 269-5532 | countryjournal@bigplanet.com | |
| Friends of the Santa Clara River | (661) 644-2802 | | rsweet46@hotmail.com | |
| Santa Monica Mountains Conservancy | | | | |
| Sierra Club | (661) 296-1212 | | kms39005@csun.edu | |
| US Fish and Wildlife Service | (805) 644-1766 X 339 | | Steurer_denise@fws.gov | |
| Wetlands Recovery Project | | | | |
| Rivers and Mountains Conservancy | (626) 815-1019 x110 | | ltorres@rmc.ca.gov | |
| Foothill Associates | (661) 284-3018 | | jeff.trow@foothill.com | |
| Mountains Recreation and Conservation Authority | | | | |
| Ventura Cty Watershed Protection District | | | | |
| Friends of the Santa Clara River | | | | |
| Supervisor Antonovich's Office | (661) 287-3657 | | rwayman@lacbos.org | |
| | (661) 251-7790 | | | |
| Councilmember, City Of Santa Clarita | | | | |
| West Ranch Town Council | (661) 799-8089 | | rg@rgwinter.com | |
| United Water Conservation District | | | | |
| LA County-DPW | (626) 458-6159 | | alwong@dpw.lacounty.gov | AMW |
| State of California, Dept of Water Resources | (916) 651-9283 | | bwycoff@water.ca.gov | |
| Santa Clarita Valley Sanitation District | (562) 699-7411 X 2820 | | mzauner@lacsdsd.org | |
| LA County-Dept. Water Resources | (626) 456-6188 | | kzimmer@ladpw.gov | |

Omipa - Stacy Miller 818 402-5806 Stacy @ Stacy Miller PA. com
 Matt Dickens - Valencia water 661-510-9733 mdickens@valenciacwater.com
 K Russell NCWD 661-259-3610
 D. Marks CLWA
 Roger A. Haima CCA 805-641-3781 rdh@agriculturewest.com

November 2010 UWMP Workshop Public Outreach Record

**2010 Santa Clarita Valley
Urban Water Management Plan**



Creative Solutions to Complex Situations

November 3, 2010

*** Orgs shaded above will receive letter return receipt requested

See Attached

Subject: 2010 Urban Water Management Plan November Workshop

Dear Sir or Madam,

The Santa Clarita Valley's water agencies, Castaic Lake Water Agency, CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company are currently preparing the 2010 Urban Water Management Plan (UWMP).

In an effort to ensure all interested parties are fully informed and involved in this process, the water agencies have scheduled their third community workshop on November 16, 2010 and welcome your participation. This workshop will provide the most current information on components of the 2010 UWMP.

Date: Tuesday, November 16, 2010
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

The Urban Water Management Plan presents a picture of the valley's water situation through the year 2035, describes the long-range water needs of the community and the means to supply the necessary water.

I encourage your participation and look forward to seeing you then. If you have any questions, please feel free to contact me.

Sincerely,

Stacy Miller
Public Outreach Manager
2010 SCV Urban Water Management Plan

Government Affairs, Public Relations & Communication

P.O. Box 55745, Valencia, CA 91385 [818] 402-5806 [661] 222-9733 Fax stacy@StacyMillerPA.com
www.StacyMillerPA.com

SANTA CLARITA VALLEY

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

Date: Tuesday, November 16, 2010

Time: 4:00 pm

Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

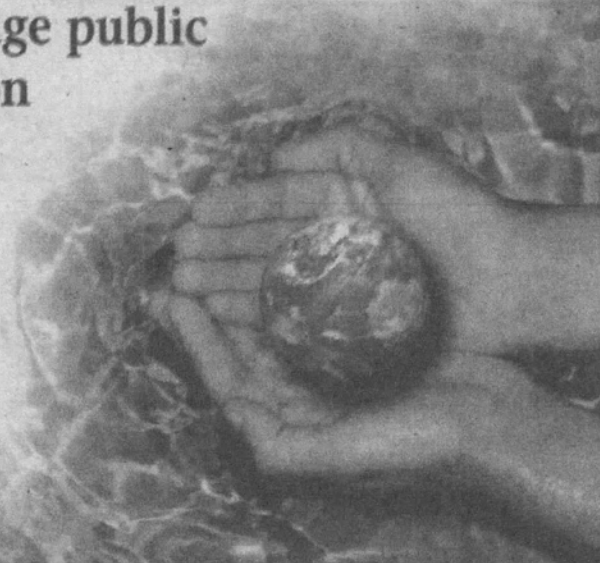
The Signal
11-9-10

This workshop will provide the most current information on components of the 2010 UWMP. Our team will provide an overview of the opportunities for public comment and will also be available for questions.

The Urban Water Management Plan, mandated by the State of California, presents a picture of the valley's water situation through the year 2035. It describes the long-range water needs of the community and the means to supply the necessary water.

We encourage public participation and input

**For more information, please call
(661) 297-1600**



Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

Date: Tuesday, November 16, 2010

Time: 4:00 pm

Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

The Signal

11-14-10

This workshop will provide the most current information on components of the 2010 UWMP. Our team will provide an overview of the opportunities for public comment and will also be available for questions.

The Urban Water Management Plan, mandated by the State of California, presents a picture of the valley's water situation through the year 2035. It describes the long-range water needs of the community and the means to supply the necessary water.

**We encourage public
participation
and input**

**For more
information,
please call
(661) 297-1600**

Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

URBAN WATER MANAGEMENT PLAN UPDATE

2010 UWMP offers creative
solutions to SCV water issues

The California Urban Water Planning Act requires water utilities to update and submit an Urban Water Management Plan (UWMP) every five years. CLWA and the local water retailers are preparing a draft of the Santa Clarita Valley 2010 Urban Water Management Plan for review this winter and spring of 2011. All California urban water suppliers having more than 3,000 service connections or selling more than 3,000 acre-feet of water annually are required by the California Water Code to prepare a UWMP every five years.

CLWA is one of approximately 450 water suppliers in California preparing such a plan. CLWA, Santa Clarita Water Division, Newhall County Water District (NCWD) and Valencia Water Company are working together to prepare a draft of the 2010 plan for the valley. The Los Angeles County Waterworks District No. 36 is participating on an ad hoc basis, as the Los Angeles County Department of Public Works must prepare its own UWMP.



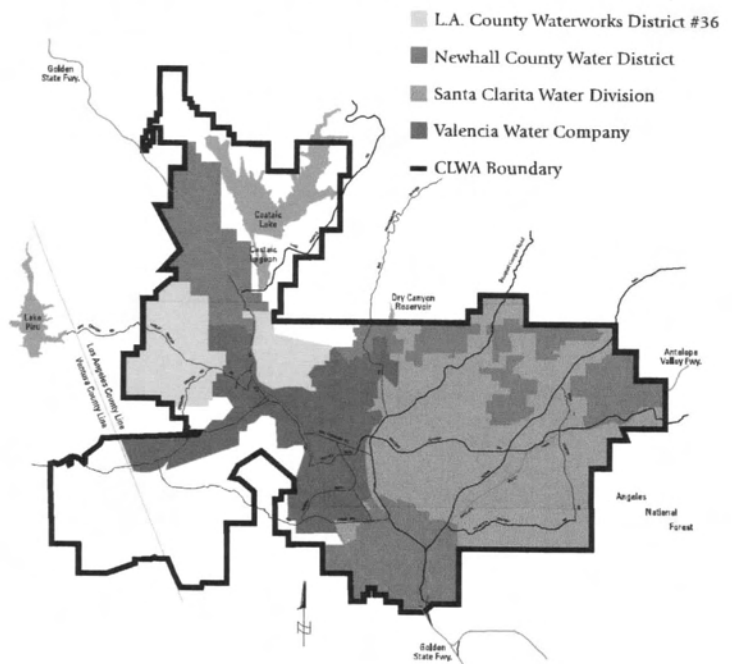
Every Drop Counts

A UWMP must consider projected demands and supplies for a minimum 20-year period, in five-year increments. It must also assess water supply and demand scenarios for average/normal water years (i.e., periods of normal precipitation), a single dry year, and multiple dry years.

The draft 2010 UWMP for the valley will identify current local and imported water supply sources, as well as potential future sources. Current sources include the State Water Project, other sources of imported water, local groundwater and recycled water. Future potential sources include all of these plus water transfers and additional recycled water. The 2010 UWMP will also address the required levels of water conservation both to meet state law and ensure adequate supplies.

The plan will identify future demand based on growth projections. By assessing pro-

Castaic Lake Water Agency Service Area



jected demand along with projected supply, the 2010 UWMP will show how the valley will meet its water needs through at least 2035.

There have been public workshops held to explain the UWMP and the process, and there will be several more along with at least two public hearings in 2011 by the CLWA and NCWD Boards of Directors. Public participation at all of these events is encouraged. The UWMP must be adopted no later than June 30, 2011.

**YOUR QUESTIONS AND COMMENTS ARE IMPORTANT TO US
PLEASE CALL (661) 297-1600 OR EMAIL US AT MAIL@CLWA.ORG**

**CASTAIC
LAKE**



**WATER
AGENCY**

CASTAIC LAKE WATER AGENCY
27234 BOUQUET CANYON
ROAD
SANTA CLARITA, CALIFORNIA
91350
(661) 297-1600
WWW.CLWA.ORG

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*Water Currents
Newsletter
Fall 2010*



PRINTED ON RECYCLED PAPER. EACH TON OF RECYCLED PAPER SAVES 7,000 GALLONS OF WATER.

Castaic Lake Water Agency
Webpage & Facebook Posting – November 2010 UWMP Workshop
Monday, November 08, 2010

Castaic Lake Water Agency - Mozilla Firefox
http://www.cwa.org/

ABOUT CLWA YOUR WATER CONSERVATION SCHOOL EDUCATION WATER QUALITY NEWS CONTACT SANTA CLARITA WATER DIVISION

A public agency providing reliable, quality water at a reasonable cost to the Santa Clarita Valley

WATER CONSERVATION TIP
Report water loss
Report all significant water losses (broken pipes, open hydrants, errant sprinklers on public property, etc.) to your local water company.
Set sprinkler timers to water between 9 p.m. - 6 a.m. for no more than 10 minutes per station.
[Click here](#) to learn more ways to save.

WEEKLY WATER INDEX: 37
The Watering Index is a simple method of matching irrigation timers to plants water demand. Each day, a Santa Clarita Valley weather station measures the water demand of plants based on actual conditions and the index helps residents achieve optimal watering levels.
[Go here](#) to learn about setting up your watering index.

WHAT'S YOUR WATER NUMBER?
[Click Here](#)

WATER CHALLENGE

IN THE NEWS

- "Senior Hour" with Dirk Marks and Stephanie Anagnoson [More..](#)
- 2010 Urban Water Management Plan Community Workshop [More..](#)

OFFICES will be closed Friday 11/19.

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Castaic Lake Water Agency - Current Water News - Mozilla Firefox
http://www.cwa.org/news/index.cfm

ABOUT CLWA YOUR WATER CONSERVATION SCHOOL EDUCATION WATER QUALITY NEWS CONTACT SANTA CLARITA WATER DIVISION


A public agency providing reliable, quality water at a reasonable cost to the Santa Clarita Valley

CURRENT WATER NEWS

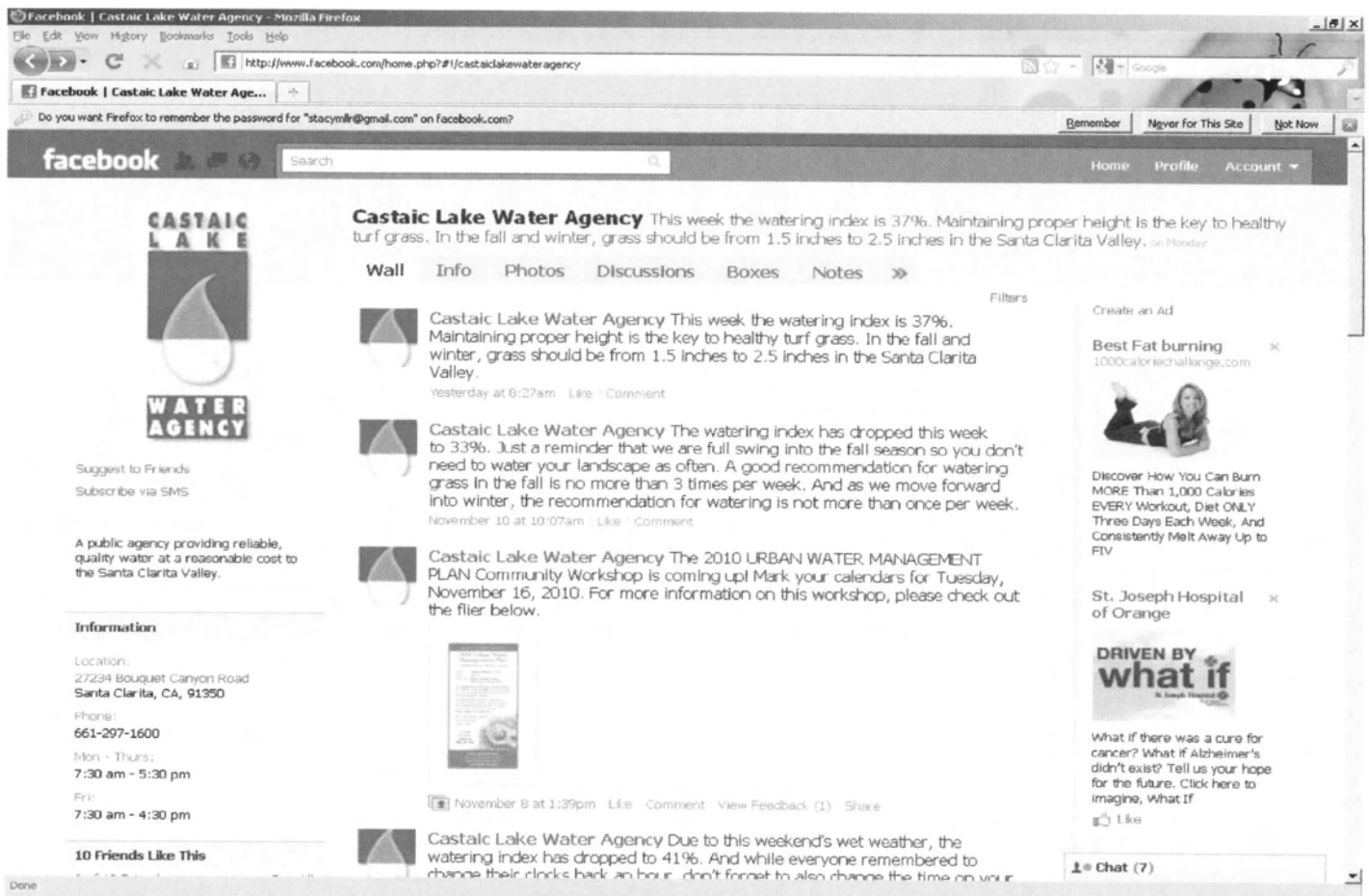
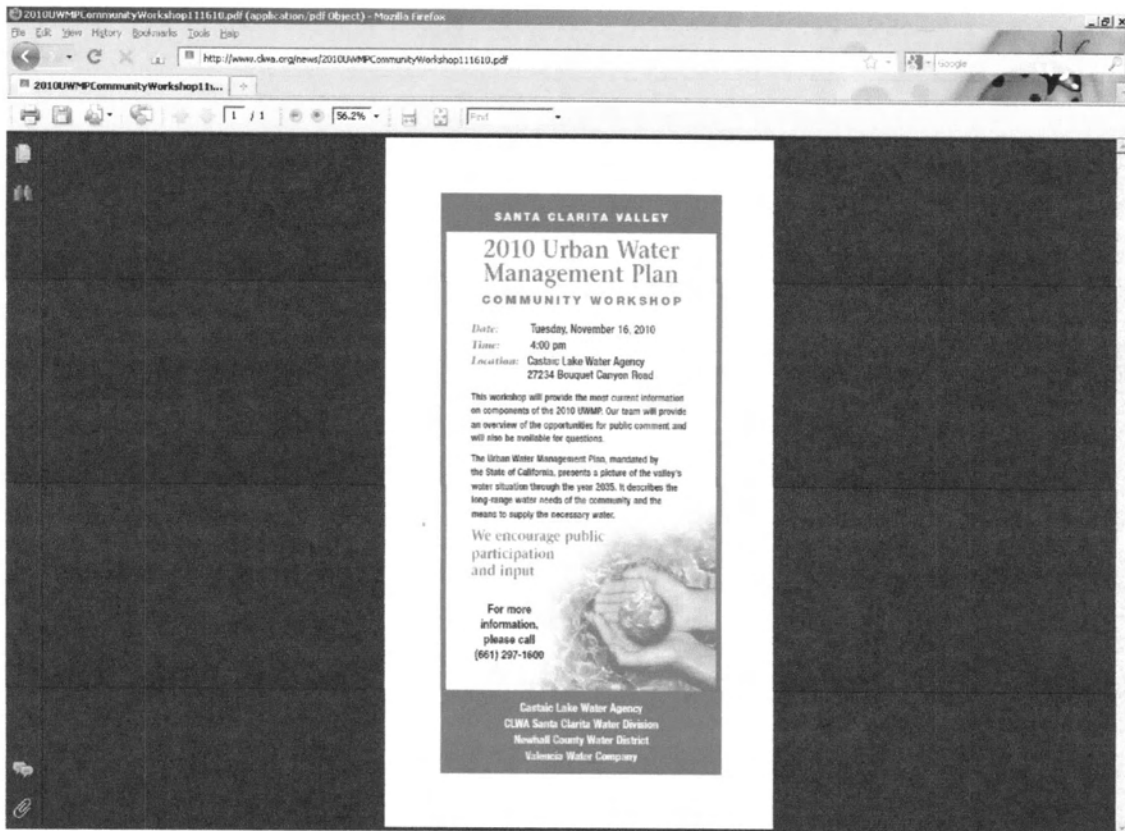
"Senior Hour" with Dirk Marks and Stephanie Anagnoson
Added: 11/09/2010
[More..](#)

2010 Urban Water Management Plan Community Workshop
Added: 11/08/2010
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Castaic Lake Water Agency
Webpage & Facebook Posting – November 2010 UWMP Workshop
Monday, November 08, 2010



Newhall County Water District
Webpage & Facebook posting – November 2010 UWMP Workshop
Monday, November 08, 2010

NCWD - NEWHALL COUNTY WATER DISTRICT - Mozilla Firefox
http://www.ncwd.org/



**NEWHALL COUNTY
WATER DISTRICT**
NCWD

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CONTACT

Tel. (661) 259-3610
Fax. (661) 259-3574
Email: mail@ncwd.org

[CLICK HERE](#)

NEWSLETTER

The Quarterly Newsletter
is available online

[Click here](#)

LATEST NEWS

Acrobat Reader 7 or later is required to view many of our documents [Get Acrobat Reader](#)

2010 Urban Water Management Plan
Community Workshop Nov 16, 10 @ 4pm
CLWA

Notice of Holiday Closure
List of NCWD's holiday closure

Residential Sprinkler Nozzle Program
How You Can Receive a FREE Sprinkler
Nozzle

NCWD Moves Into New Efficient Green Office
Building

**NEWHALL COUNTY
WATER DISTRICT**

The Mission of NCWD is to provide quality water service at a reasonable cost by practicing careful stewardship of natural resources, utilizing innovative measures, and providing a quality working environment.

THE FIRST PUBLIC

Single Ad - November workshop (1) Wb, FA, Ad, Rev. 11_4.pdf (application/pdf Object) - Mozilla Firefox
http://www.ncwd.org/CLWA_files/SingleAd-NovemberWorkshopCLWA_FA_Ad_Rev_11_4.pdf

SANTA CLARITA VALLEY

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

Date: Tuesday, November 16, 2010
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Sequoia Canyon Road

This workshop will provide the most current information on components of the 2010 UWMP. Our team will provide an overview of the opportunities for public comment and will also be available for questions.

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We encourage public participation and input.

For more information, please call
(861) 297-1800

Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

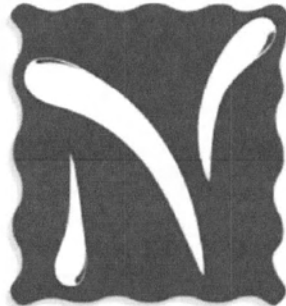
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NCWD

NEWHALL COUNTY WATER DISTRICT

Suggest to Friends

Subscribe via SMS

Our water is a precious resource...
Use water efficiently, Every Drop Counts!

Information

Location:
23780 N Pine Street
Newhall, CA, 91321

Phone:
661-259-3610

Mon - Fri:
8:00 am - 5:00 pm

Newhall County Water District

Wall

Info

Photos

Discussions

Notes

Video

Write something...

Share

Newhall County Water District + Others

Just Newhall County Water District

Just Others



Newhall County Water District Reg Board Mtg Wed Nov 17, 10 @ 6:30 pm

<http://www.ncwd.org/08/Agendas/regular-meeting-Nov17-2010.pdf>
www.ncwd.org

November 10 at 10:29am · Like · Comment · Share



Newhall County Water District 2010 Urban Water Management Plan Community Workshop Nov 16, 10

http://www.ncwd.org/C1/In_the_News/Singal%20Ad%20-%20November%20workshop%20CLWA_FA_Ad_Rev_11_4.pdf
www.ncwd.org

November 8 at 11:03am · Like · Comment · Share



Newhall County Water District Notice of Holiday Closure

http://www.ncwd.org/C1/In_the_News/Holiday%20Closure.pdf
www.ncwd.org

November 4 at 10:09am · Like · Comment · Share



Newhall County Water District SCV Water Committee Mtg on Tue Nov 2, 10 @ 2pm @ City Hall of Santa Clarita

<http://www.ncwd.org/08/Agendas/SCV%20Comm%20Agenda%20Nov%202%2010.pdf>
www.ncwd.org

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Friday, November 05, 2010

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http://www.valenciawater.com/images/ContentImages/UWMP_Workshop_Hydr_111610.pdf

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1 / 1 50%

SANTA CLARITA VALLEY

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

Date: Tuesday, November 16, 2010
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

This workshop will provide the most current information on components of the 2010 UWMP. Our team will provide an overview of the opportunities for public comment and will also be available for questions.

The Urban Water Management Plan, mandated by the State of California, presents a picture of the valley's water situation through the year 2035. It describes the long-range water needs of the community and the means to supply the necessary water.

We encourage public participation and input.

For more information, please call:
(661) 297-1600

Castaic Lake Water Agency
CLWA Santa Clara Water Division
Newhall County Water District
Valencia Water Company

Santa Clarita Valley Urban Water Management Plan

Community Workshop

November 16, 2010

4:00 pm

Castaic Lake Water Agency



Agenda

- ▶ Introductions
- ▶ Review/status of UWMP process
- ▶ SBX7-7 GPCD population assumptions and calculations, and targets by retailer
- ▶ Questions and Answers

New Law: SBX7-7 ("20% x 2020")

- ▶ 20% demand reduction statewide by 2020
- ▶ Sets mandatory demand reduction goal for each retail water supplier
- ▶ Reporting starts with 2010 UWMPs
 - Base gross water use in gallons per capita per day (GPCD): must be calculated using one of three methodologies
 - Target reduction from base by 2020: must be calculated using one of four methodologies
 - Supplier must hold public hearing to explain how targets will be met (can be held as part of UWMP hearing)

Process for Determining SBX7-7 Base Gross Water Use (in GPCD)



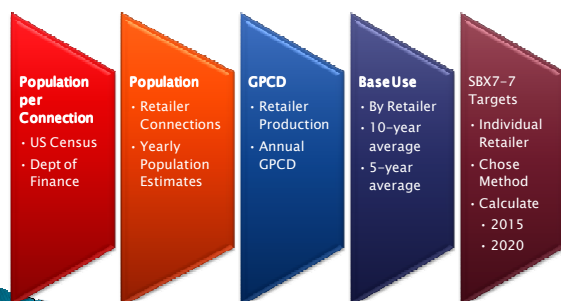
Base Gross Water Use Method

- ▶ Base water use in GPCD: methodologies
 - 10-year average
 - ending no earlier than Dec 31, 2004 – no later than Dec 31, 2010 *OR*
 - 15-year average if 10% of 2008 demand met by recycled water
 - get to add 5 years to calculation (SCV retailers do not qualify)
 - And: 5-year average
 - ending no earlier than Dec 31, 2007 – no later than Dec 31, 2010
 - 100 gpcd; at least 5% reduction for all agencies in CA over 100 gpcd

Example: Newhall County Water District Draft GPCD Calculation

| Year | Single Family | Multi-Family | People per Unit | Population | Production (AF) | GPCD | 10-year Average |
|------|---------------|--------------|-----------------|------------|-----------------|------|-----------------|
| 1995 | 5,680 | 4,552 | 3.020 | 30898 | 7,755 | 224 | 240 |
| 1996 | 5,723 | 4,589 | 3.038 | 31323 | 7,887 | 225 | 241 |
| 1997 | 6,035 | 4,612 | 3.056 | 32533 | 8,801 | 242 | 242 |
| 1998 | 6,037 | 4,622 | 3.074 | 32764 | 8,087 | 220 | 243 |
| 1999 | 6,202 | 4,651 | 3.092 | 33561 | 9,348 | 249 | 244 |
| 2000 | 6,255 | 4,713 | 3.111 | 34121 | 9,718 | 254 | |
| 2001 | 6,428 | 4,768 | 3.130 | 35041 | 9,525 | 243 | |
| 2002 | 6,777 | 4,823 | 3.149 | 36526 | 10,362 | 253 | |
| 2003 | 7,199 | 4,852 | 3.168 | 38178 | 10,351 | 242 | |
| 2004 | 7,873 | 4,870 | 3.187 | 40618 | 11,217 | 247 | |
| 2005 | 8,163 | 4,875 | 3.207 | 41814 | 10,756 | 230 | |
| 2006 | 8,292 | 4,875 | 3.227 | 42490 | 11,470 | 241 | |
| 2007 | 8,431 | 4,875 | 3.247 | 43206 | 11,975 | 247 | |
| 2008 | 8,450 | 4,875 | 3.267 | 43539 | 11,340 | 233 | |
| 2009 | 8,492 | 4,875 | 3.288 | 43951 | 10,559 | 214 | |
| 2010 | 8,529 | 4,875 | 3.288 | 43951 | 10,559 | 214 | |

Process for Determining SBx7-7 Base Use and GPCD Reduction Targets



Draft Base Gross Water Use Results

| Agency | 5-year GPCD | 10-year GPCD |
|-----------------------------------|-------------|--------------|
| CLWA Santa Clarita Water Division | 230 | 235 |
| Newhall County Water District | 241 | 244 |
| Valencia Water Company | 258 | 278 |

Target Demand Reduction Methodology Options

- ▶ 1.) 20% reduction from base (i.e., 80% of average gross water use in GPCD)
- ▶ 2.) Combination of state standards:
 - 55 gpcd indoor residential + landscape use at 70% ETo + 10% reduction in commercial/industrial/institutional use
- ▶ 3.) DWR 20x2020 hydrologic region target (South Coast region = 149 GPCD)
- ▶ 4.) Option to be developed by DWR Public Process

Draft GPCD Target Demand Reductions Option 1: 80% of base use

| Agency | 2015 Objective | 2020 Objective | 2009 GPCD (current) |
|----------|----------------|----------------|---------------------|
| VWC | 250 | 222 | 240 |
| NCWD | 219 | 195 | 214 |
| SCWD | 211 | 188 | 201 |
| Regional | 219 | 195 | 219 |

Method normalizes for:

- Low economic activity
- High vacancy rates
- Year to year weather variances

Note: Note: 2009 is 3rd year of drought

Future development has more CII demands

Consultant Team

- Kennedy/Jenks Consultants
- Luhdorff and Scalmanini
- Nancy Clemm, P.E.
- Stacy Miller Public Affairs

Questions and Answers



Public Workshops and Hearings

▶ **Public Workshops**

- May 25, 2010
- July 2, 2010
- November 9, 2010 (IRWMP Stakeholders)
- November 16, 2010
- January 11, 2011 (tentative)
- March 8, 2011 (tentative)

▶ **Public Hearings**

- January 26, 2011 (tentative)
- March 23, 2011 (tentative)
- April 27, 2011 (tentative)

▶ **Adoption**

- June 2011

Santa Clarita Valley Urban Water Management Plan

November 16, 2010 - Community Workshop Sign In Sheet

| PRINT NAME | ORGANIZATION | TITLE | PHONE | EMAIL |
|----------------------|-----------------------|----------------------------|----------------|------------------------------------|
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| 3. Patrick Bryant | City of SC | Admin Analyst | 661-255-4902 | pbryant@santa-clarita.com |
| 4. Cathy Holloman | SCWD | Assoc Water Res Planner | 661-259-2737 | cholloman@scwater.org |
| 5. KEITH ABERCROMBIE | VWC | GM | 661-295-6501 | KABERCROMBIE@VALUCLAW.COM |
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| 7. BILL DEPOTO | LACFCD | | 626.458.4313 | BDEPOTO@LADPW.ORG |
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| 9. ALBERT PETERSEN | GWP | | 818/468-7880 | MARINETTE PETERSEN@POL.COM |
| 10. Sharon Sorensen | City of Santa Clarita | Sr. Planner | 661/257-5234 | ssorensen@santa-clarita.com |
| 11. JESSICA BUNKER | LACWWD NO. 36 | Assoc. CE | 626/300-3315 | jbunker@ladpw.org |
| 12. Tom Worthington | IMPACT Sciences | President | 805 443-5170 | tomworthington@impactsocieties.com |
| 13. KEVIN AQUINO | COC | | (661) 250-0737 | K.AQUINO@SANTA-CLARITA.COM |
| 14. Jeff Ford | CLWA | WR Planner | (661) 513-1281 | Jford@clwa.org |
| 15. Dirk Marks | " | WR Manager | 661 513 1287 | dmarks@clwa.org |
| 16. BRIJESH MISRA | LA City | Inspector | (818) 830-0420 | BrijeshCmisra@gmail.com |
| 17. B.J. ATKINS | Atkins Env. HELP | owner | 661 510 3663 | bj@atkinsenvironmental.com |
| 18. STEVE MCLEAN | - | - | 661-259-4767 | MCLEAN.STEPHEN@CH.IL.COM |

Santa Clarita Valley Urban Water Management Plan

November 16, 2010 - Community Workshop Sign In Sheet

| PRINT NAME | ORGANIZATION | TITLE | PHONE | EMAIL |
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| 1. Francisco Guerrero | LACSD | Senior Engineer | 562 903 4209 x 2932 | FGuerrero@lacsd.org |
| 2. Stacy Miller | SMWA | Consult | 818 403-5800 | Smiller@smwa.org |
| 3. LUIS MARGHERITIS | CLWA | TECH. | (661) 510-4448 | LMARGHERITIS@CLWA.ORG |
| 4. COLETTE HILLARD | | | | |
| 5. GRANT, ERIC | | | 661-406-3219 | ERIC@ERIC.YAHOO.COM |
| 6. Linda Purpus | UWCD | Env. Scientist | 805-525-4431 | lindap@unitedwater.org |
| 7. Dusty Osmonson | | Public | 661-644-6546 | lited_hosley@yahoo.com |
| 8. ERNI N | | public | 661-296-2775 | nie.manig@yahoo.com |
| 9. Renee Sabal | Castaic Town Council | Council person | 661-803-7123 | ReneeSabal@AOL.com |
| 10. Sharren Naulls | | | 661 862-9221 | snaulls@uc.edu |
| 11. Betty Cameron | | | 661 297-8116 | |
| 12. Greg Kring | Burbank Water & Power | Pipefitter Apprentice | 626) 475-0413 | Hailgebus@yahoo.com |
| 13. Chad Brightwell | BWP | " | (818) 621-5726 | highryder98@yahoo.com |
| 14. FRANK ROSENTHAL | COC | STUDENT | 818-261-2036 | FRANK-ie@YnHoo.com |
| 15. Bonnie Deagon | — | Public | 661-373-8341 | Bjdhugs@aol.com |
| 16. | | | | |
| 17. | | | | |
| 18. | | | | |

Santa Clarita Valley Urban Water Management Plan

November 16, 2010 - Community Workshop Sign In Sheet

| | PRINT NAME | ORGANIZATION | TITLE | PHONE | EMAIL |
|-----|---------------|--------------|-------|----------------|-------------------------|
| 1. | K. C. Valvo | BWP | App | 818) 238-3500 | |
| 2. | JAMES ROWLAND | BWP | APP | (818) 926-0978 | |
| 3. | Bonnie Deagon | | | 661-373-8341 | |
| 4. | Leah Schulman | | | 661-645-6344 | leah.schulman@gmail.com |
| 5. | | | | | |
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January 2011 UWMP Workshop Public Outreach Record

**2010 Santa Clarita Valley
Urban Water Management Plan**



Stacy Miller
PUBLIC AFFAIRS

Creative Solutions to Complex Situations

January 10, 2011

*** Orgs shaded above will receive letter return receipt requested

(see attached)

Subject: January 2011 Workshop - 2010 Urban Water Management Plan

Dear Sir or Madam,

The Santa Clarita Valley water suppliers, Castaic Lake Water Agency, CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company, are currently preparing the 2010 Urban Water Management Plan (UWMP).

In an effort to ensure all interested parties are fully informed and involved in this process, the water agencies have scheduled their fourth community workshop on January 25, 2011 and welcome your participation. This workshop will provide the most current information on components of the UWMP.

Date: Tuesday, January 25, 2011
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

The Urban Water Management Plan presents a picture of the valley's future water situation, describes the long-range water needs of the community and the means to supply the necessary water.

I encourage your participation and look forward to seeing you then. If you have any questions, please feel free to contact me.

Sincerely,

Stacy Miller
Public Outreach Manager
2010 SCV Urban Water Management Plan

Government Affairs, Public Relations & Communication

SANTA CLARITA VALLEY

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

Date: Tuesday, January 25, 2011

Time: 4:00 pm

Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

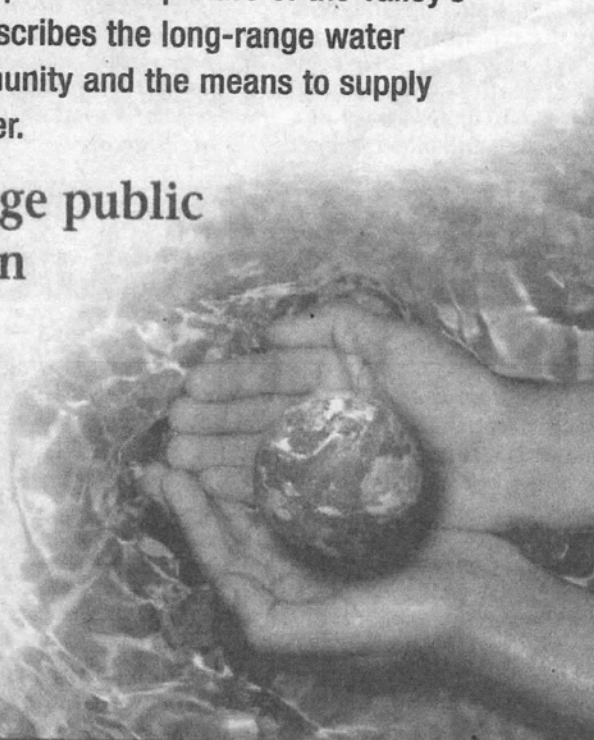
The Signal
1-18-11

This workshop will provide the most current information on components of the 2010 UWMP. Our team will provide an overview of the opportunities for public comment and will also be available for questions.

The Urban Water Management Plan, mandated by the State of California, presents a picture of the valley's water situation, describes the long-range water needs of the community and the means to supply the necessary water.

We encourage public participation and input

For more information, please call
(661) 297-1600



Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

SANTA CLARITA VALLEY

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

Date: Tuesday, January 25, 2011

Time: 4:00 pm

Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

The Signal
1-23-11

This workshop will provide the most current information on components of the 2010 UWMP. Our team will provide an overview of the opportunities for public comment and will also be available for questions.

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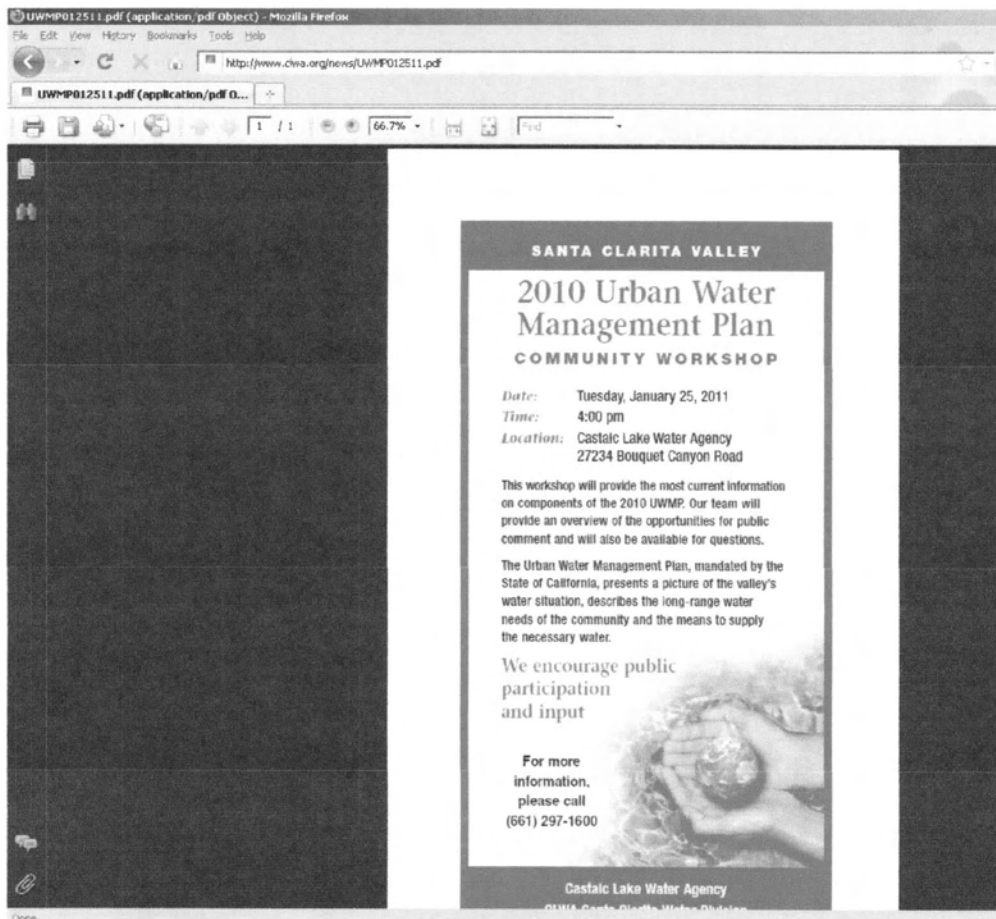
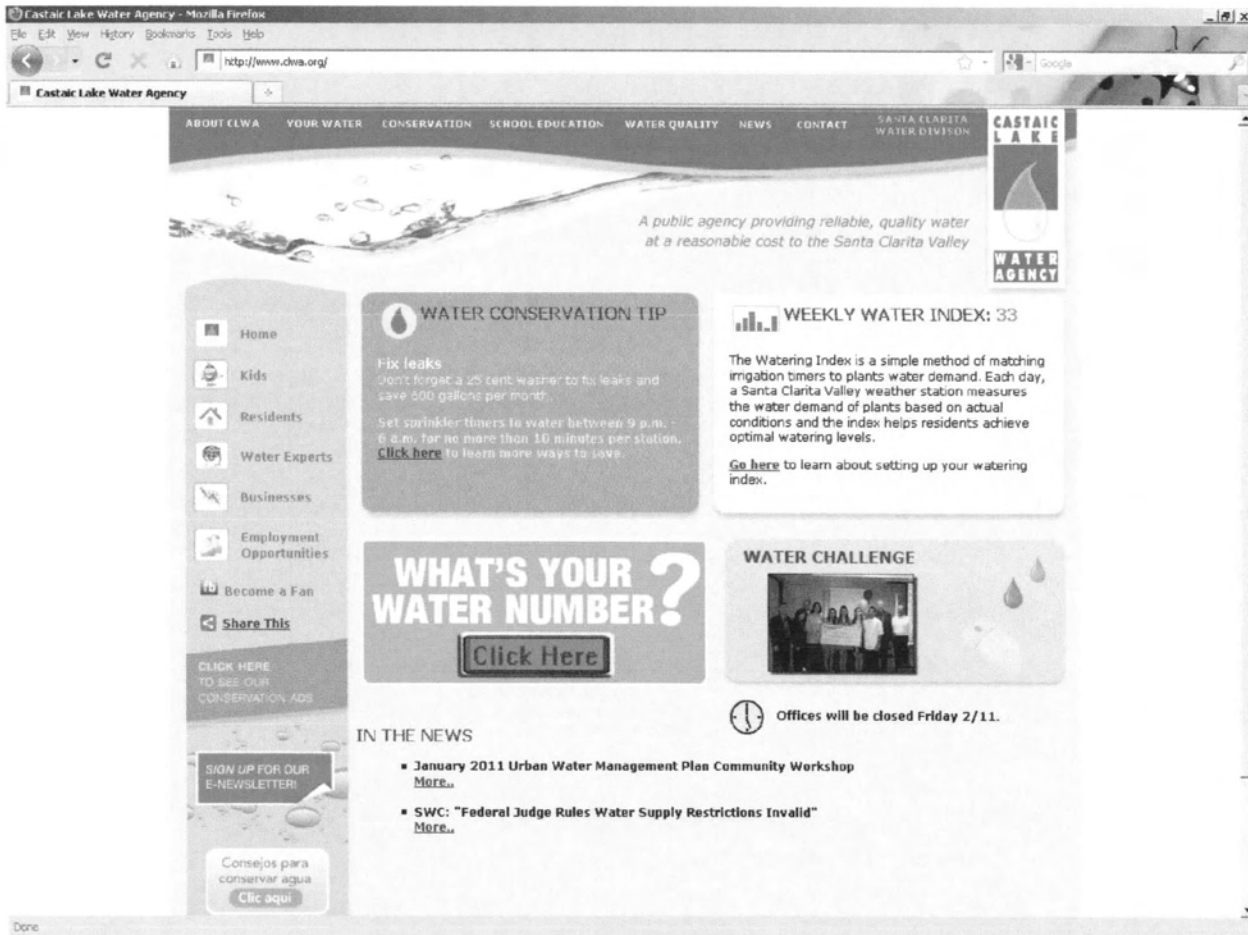
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For more information, please call
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Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

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Webpage & Facebook Posting – January 2011 UWMP Workshop



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Saturday, June 19 at 9:00am

CLWA's Landscape Education
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Saturday, May 8 at 9:00am

CLWA's Landscape Education
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Castaic Lake Water Agency
Saturday, April 17 at 9:00am

CLWA's Landscape Education
Cla...

Castaic Lake Water Agency
Saturday, March 20 at 9:00am

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 **Castaic Lake Water Agency The 2010 URBAN WATER MANAGEMENT PLAN Community Workshop is coming up! Mark your calendars for Tuesday, January 25, 2011. For more information on this workshop, please check out the link to the flier below.**

<http://www.clwa.org/news/UWMP012511.pdf>
www.clwa.org

January 18 at 8:25am · Like · Comment · View Feedback (1)

 **Castaic Lake Water Agency Please adjust your irrigation timers accordingly - the watering index is now 18%. To learn more about the watering index, click on the link below.**


 **Castaic Lake Water Agency - Watering Index**
www.clwa.org
Castaic Lake Water Agency - Watering Index

January 6 at 5:24pm · Like · Comment · View Feedback (2)

 **Castaic Lake Water Agency Even though winter is upon us, it is a great time to plant, prune and prepare your garden for spring. Check out this feature from the January 1, 2011 edition of The Signal: "Tending to your winter garden". Click on the link to read the article.**

 **Tending to your winter garden**
www.the-signal.com
Ah, the rain. It's been a long time, right? We've had great rains lately, and more are expected soon. Will that break our drought?

January 4 at 9:15am · Like · Comment · View Feedback (1)

 **Castaic Lake Water Agency In October, Mr. McNelis' 3rd grade class from**

Done

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The Mission of NCWD is to provide quality water service at a reasonable cost by practicing careful stewardship of natural resources, utilizing innovative measures, and providing a quality working environment.

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2010 Urban Water Management Plan
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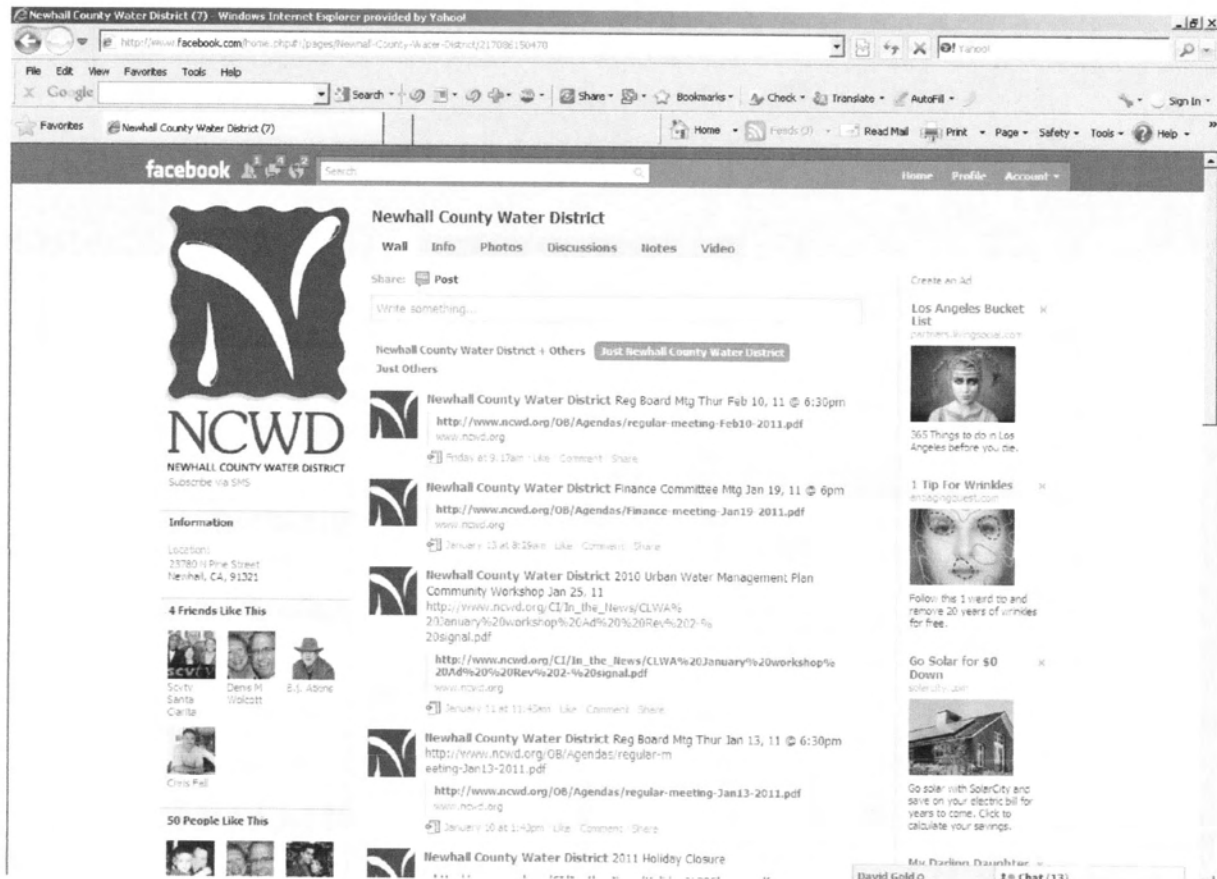
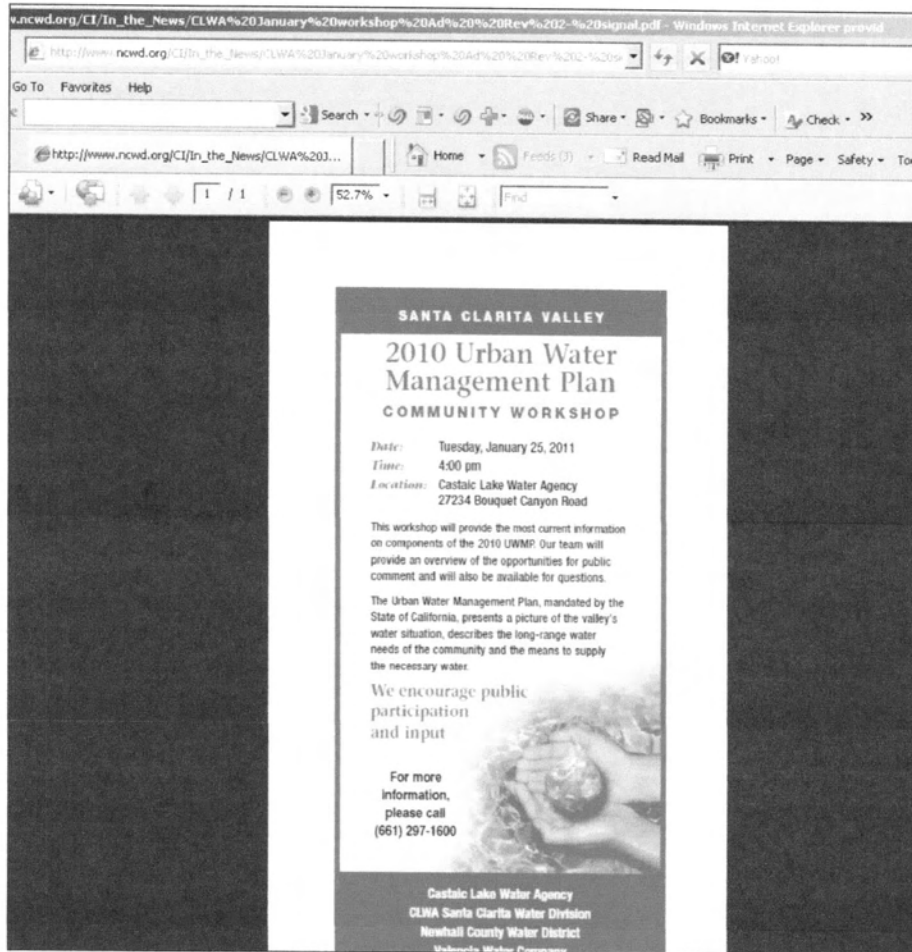
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IN THE SANTA
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(next)

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WELCOME TO
Valencia Water Company

24631 Avenue Rockefeller
Valencia, CA 91355

Valencia Water Company meets the water needs of homes and businesses in the northern Los Angeles County communities of Valencia, Stevenson Ranch and portions of Saugus, Newhall and Castaic. We are committed to delivering a dependable supply of safe, reliable water while providing thorough, friendly and efficient service.

[Legal Disclaimer](#)

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SANTA CLARITA VALLEY

2010 Urban Water Management Plan
COMMUNITY WORKSHOP

Date: Tuesday, January 25, 2011
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For more information, please call
(661) 297-1600

Castaic Lake Water Agency
CWA/Castaic Lake Water District

Santa Clarita Valley Urban Water Management Plan

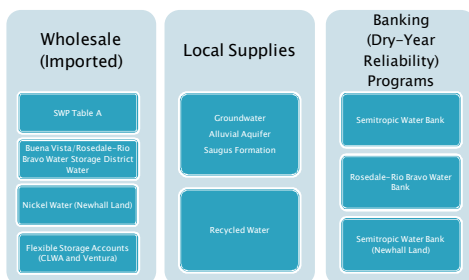
Community Workshop
January 25, 2011
4:00 pm
Castaic Lake Water Agency



Agenda

- Introductions
- Overview of water supplies
- SWP reliability update
- CLWA reliability planning update
- SBX7-7 (“20x2020”) calculations and targets
- Overview of water supplies and demands
- Schedule
- Questions and Answers

Santa Clarita Valley Water Supplies



SWP Reliability Update

- ▶ DWR finalized the 2009 State Water Project Delivery Reliability Report
- ▶ Captures impacts on the SWP from recent regulatory and judicial decisions related to endangered species in the Delta
 - Average year long-term SWP deliveries = 60%
 - Single-dry year deliveries = 7%
 - Multiple-dry year deliveries = 34-36%

CLWA Reliability Planning Update

- ▶ Basis of the Plan:
 - Water Demand Projections by Purveyors
 - 2009 DWR SWP Delivery Reliability Report
 - Updated GW Operating Plan
 - Recycled Water Master Plan (as modified)

Preliminary Results Water Supply Reliability Plan Update

- ▶ At 95% confidence level:
 - 6-year pumpback = no storage needed with current practices
 - 1-year pumpback (most severe drought) = 20,000 AF
- ▶ Results consider the following variables:
 - Conservation
 - Levee failure in the Delta

Preliminary Results Storage and Pumpback Requirements

1. No levee failure and no conservation

| Percentile (%) | 1-Year Pumpback (AFY) | 6-Year Storage (AF) |
|----------------|-----------------------|---------------------|
| 90 | 34,000 | 83,000 |
| 95 | 38,000 | 100,000 |
| 99 | 51,000 | 164,000 |

2. Levee failure and no conservation

| Percentile (%) | 1-Year Pumpback (AFY) | 6-Year Storage (AF) |
|----------------|-----------------------|---------------------|
| 90 | 60,000 | 136,000 |
| 95 | 61,000 | 153,000 |
| 99 | 62,000 | 219,000 |

Preliminary Results Storage and Pumpback Requirements

3. Conservation and no levee failure

| Percentile (%) | 1-Year Pumpback (AFY) | 6-Year Storage (AF) |
|----------------|-----------------------|---------------------|
| 90 | 9,000 | 0 |
| 95 | 13,000 | 0 |
| 100 | 24,000 | 17,000 |

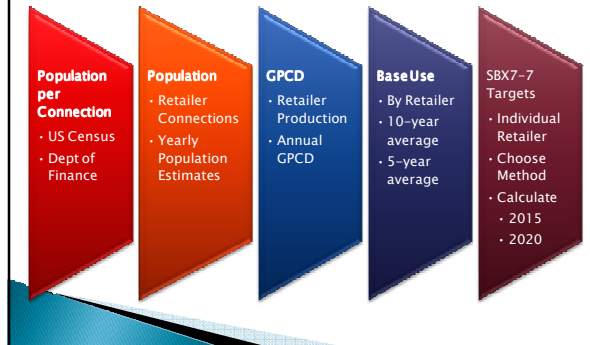
4. Conservation and levee failure

| Percentile (%) | 1-Year Pumpback (AFY) | 6-Year Storage (AF) |
|----------------|-----------------------|---------------------|
| 90 | 20,000 | 0 |
| 95 | 20,000 | 0 |
| 100 | 21,000 | 28,000 |

Update on SBX7-7 ("20% x 2020") Calculations and Targets

- ▶ 20% demand reduction statewide by 2020
- ▶ Sets mandatory demand reduction goal for each retail water supplier
- ▶ Reporting starts with 2010 UWMPs
 - Base gross water use in gallons per capita per day (GPCD): must be calculated using one of three methodologies
 - Target reduction from base by 2020: must be calculated using one of four methodologies
 - Supplier must hold public hearing to explain how targets will be met (can be held as part of UWMP hearing)

Process for Determining SBx7-7 Base Use and GPCD Reduction Targets

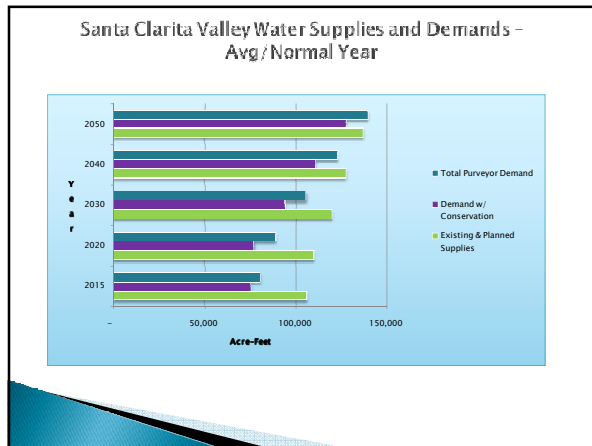


GPCD Target Demand Reduction Options

- 20% reduction from base (i.e., 80% of average gross water use in gpcd)
- Combination of state standards:
 - 55 gpcd indoor residential + landscape use at 70% ETo + 10% reduction in commercial/industrial/institutional use
 - Requires specific data not available in SCV*
- DWR 20x2020 hydrologic region target (South Coast region = 149 gpcd)
- Option to be developed by October 2010: not completed by DWR and Urban Stakeholder Committee*

Updated (January 2011) GPCD Target Demand Reduction Calculations

| Agency | Base Daily Per Capita Water Use (GPCD) | Compliance Year | Selected Urban Water Use Target Method |
|--------|--|-----------------|---|
| | | | Method 1 – 80% of Base Daily Per Capita Water Use |
| VWC | 278 | 2015 | 250 |
| | | 2020 | 222 |
| NWCD | 244 | 2015 | 219 |
| | | 2020 | 195 |
| SCWD | 235 | 2015 | 211 |
| | | 2020 | 188 |



- ## Schedule
- ▶ **Public Workshops and Hearings**
 - **Workshops**
 - May 25, 2010
 - July 27, 2010
 - November 9, 2010 (IRWMP Stakeholders)
 - November 16, 2010
 - January 25, 2011
 - March 8, 2011
 - **Hearings**
 - March 23, 2011 (tentative)
 - April 27, 2011 (tentative)
 - ▶ **Adoption**
 - June 2011 (due to DWR within 30 days after adoption)



Santa Clarita Valley Urban Water Management Plan

January 25, 2011 - Community Workshop Sign In Sheet

| PRINT NAME | ORGANIZATION | TITLE | PHONE | EMAIL |
|----------------------|--------------|------------------------|----------------|-----------------------------|
| 1. Gacy Meller ✓ | SmPA | Pres | 818402-5806 | Gacy Meller PA-Con |
| 2. Lauren Everett ✓ | HS | planner | 805-913-5706 | laureneverett@kennedyjenks. |
| 3. Ed Colley ✓ | CLWA | Director | - | - |
| 4. Bonnie Deagon ✓ | - | - | - | - |
| 5. Dirk Marks ✓ | CLWA | Water Resource Manager | - | - |
| 6. Rosalind Wayman ✓ | SDS | - | - | - |
| 7. Jarrod DeGonia ✓ | Asm. Smyth | District Director | (661) 286-1565 | jarrod.degonia@asm.ca.gov |
| 8. Jeff Ford ✓ | CLWA | WR Planner | (661) 513-1281 | jford@clwa.org |
| 9. DAN MASNADA ✓ | CLWA | G.M. | (661) 2971600 | dmasnada@clwa.org |
| 10. ERNIE VILLEGAS | ASM. GORELL | DIST. DIRECTOR | (805) 230-9167 | ernie.villegas@asm.ca.gov |
| 11. | | | | |
| 12. | | | | |
| 13. | | | | |
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| 18. | | | | |

Santa Clarita Valley Urban Water Management Plan

January 25, 2011 - Community Workshop Sign In Sheet

| | PRINT NAME | ORGANIZATION | TITLE | PHONE | EMAIL |
|-----|-------------------------------|--------------|------------------|--------------|-----------------------|
| 1. | Marylin Cotten ✓ | KJ | | | |
| 2. | Steve Cole ✓ | NCWD | G.M. | | SCOLE@NCWD.ORG |
| 3. | CHARLES GILL ✓ | IPSG | | 661 294 9355 | CGILL@IPSG INC. COM |
| 4. | Keith Abercrombie ✓ | VWC | GM | | |
| 5. | Cathy H Holloman ✓ | SCWD | Assoc WR Planner | 661-259-2737 | cholloman@scwater.org |
| 6. | Sandy Sancy | BLA | G.A.O. | 310-995-4456 | sandys@blav.org |
| 7. | | | | | |
| 8. | | | | | |
| 9. | | | | | |
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| 18. | | | | | |

March 2011 UWMP Workshop Public Outreach Record

**2010 Santa Clarita Valley
Urban Water Management Plan**



Stacy Miller
PUBLIC AFFAIRS

Creative Solutions to Complex Situations

February 17, 2011

«AddressBlock» (*see attached mailing list*)

Subject: March 2011 Urban Water Management Plan Workshop

«GreetingLine»

The Santa Clarita Valley water suppliers, Castaic Lake Water Agency, CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company, are currently preparing the 2010 Urban Water Management Plan (UWMP).

In an effort to ensure all interested parties are fully informed and involved in this process, the water agencies have scheduled their final community workshop on March 8, 2011 and welcome your participation. This workshop will provide the most current information on components of the UWMP.

Date: Tuesday, March 8, 2011
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

The Urban Water Management Plan presents a picture of the valley's future water situation, describes the long-range water needs of the community and the means to supply the necessary water.

I encourage your participation and look forward to seeing you then. If you have any questions, please feel free to contact me.

Sincerely,

Stacy Miller
Public Outreach Manager
2010 SCV Urban Water Management Plan

SANTA CLARITA VALLEY

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

Date: Tuesday, March 8, 2011

Time: 4:00 pm

Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

*The
Signal*

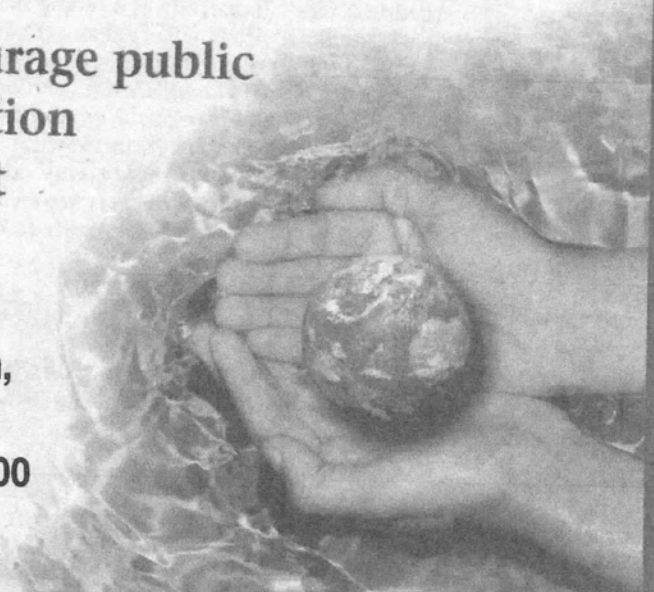
3/1/11

This workshop will provide the most current information on components of the 2010 UWMP. Our team will provide an overview of the opportunities for public comment and will also be available for questions.

The Urban Water Management Plan, mandated by the State of California, presents a picture of the valley's water situation, describes the long-range water needs of the community and the means to supply the necessary water.

We encourage public
participation
and input

For more
information,
please call
(661) 297-1600



Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

SANTA CLARITA VALLEY

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

Date: Tuesday, March 8, 2011
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

The Signal

3-6-11

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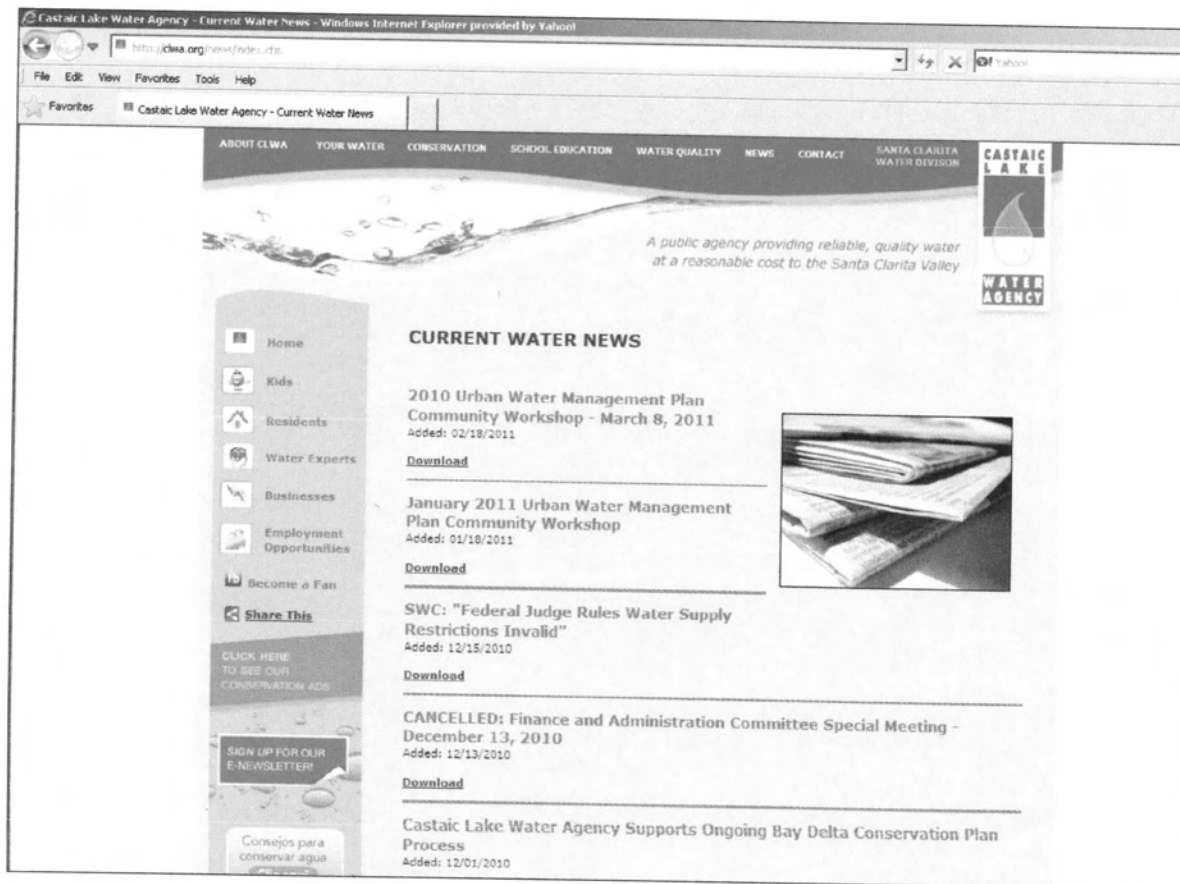
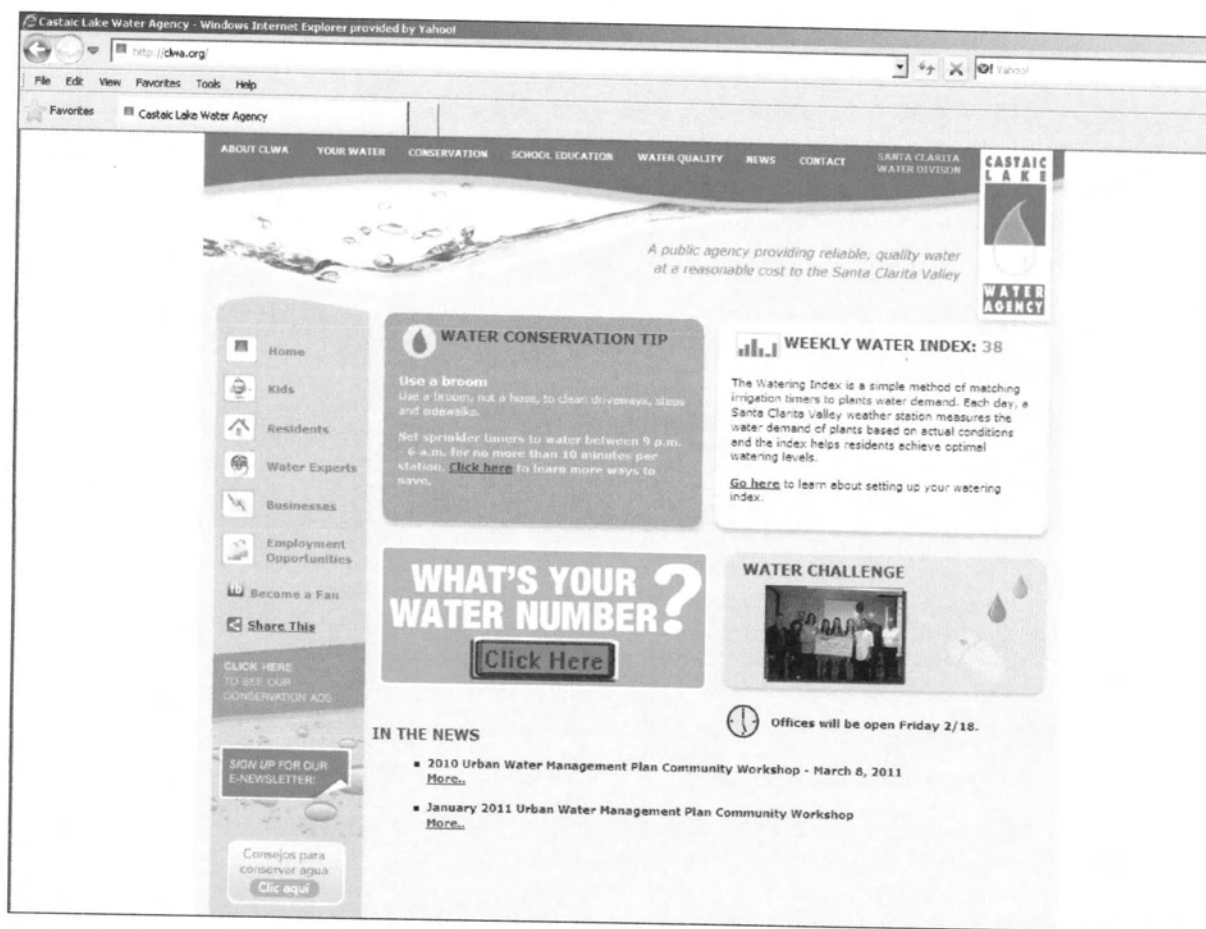
We encourage public participation and input

For more information, please call
(661) 297-1600



Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

Castaic Lake Water Agency Webpage & Facebook Posting – March 2011 UWMP Workshop



Webpage & Facebook Posting – March 2011 UWMP Workshop

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Castaic Lake Water Agency The 2010 URBAN WATER MANAGEMENT PLAN Community Workshop is coming up! Mark your calendars for Tuesday, March 8, 2011. For more information on this workshop, please check out the link to the flyer below.

http://clwa.org/news/2010UWMP_MarchWorkshop.pdf
clwa.org

23 minutes ago · Like · Comment

Castaic Lake Water Agency Check out the op-ed piece in Capitol Weekly that Laura King Moon, Assistant General Manager of the State Water Contractors wrote, "A Pivotal Year for Delta: Moving Ahead in 2011". To read the article, click on the link below.

Capitol Weekly: Opinion: A Pivotal Year for Delta: Moving Ahead in 2011
www.capitolweekly.net
Capitol Weekly: The Newspaper of California State Government and Politics

February 24 at 4:34pm · Like · Comment · View Feedback (1)

Castaic Lake Water Agency The watering index has increased to 38% - please adjust your irrigation timer! The SCV is also expecting high winds for the next couple of days, so remember to water between 2 AM and 6 AM, when the winds have calmed.

February 9 at 5:22pm · Like · Comment · View Feedback (1)

Castaic Lake Water Agency Have you received the February issue of SCV Magazine yet? Be sure to check out the article: "CLWA Offers Free Water-Saving Program for Large Landscapes". Click on the link below to read the article.

CLWA Offers Free Water-Saving Program for Large Landscapes
www.santacertanmagazine.com
Santa Clara Magazine

February 8 at 2:23pm · Like · Comment · View Feedback (2)

Castaic Lake Water Agency In case you missed today's edition of The Signal, make sure to read "Local water officials tout new, efficient digs"

Information
Location:
2724 Boulevard Canyon Road
Santa Clarita, CA, 91350

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SANTA CLARITA VALLEY
2010 Urban Water Management Plan
COMMUNITY WORKSHOP

Date: Tuesday, March 8, 2011
Time: 4:00 pm
Location: Castaic Lake Water Agency
2724 Boulevard Canyon Road

This workshop will provide the most current information on components of the 2010 UWMP. Our team will provide an overview of the opportunities for public comment and will also be available for questions.

The Urban Water Management Plan, mandated by the State of California, presents a picture of the valley's water situation, describes the long-range water needs of the community and the means to supply the necessary water.

We encourage public participation and input.

For more information, please call
(661) 297-1600

Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Northall County Water District
Valencia Water Company

Valencia Water Company
Webpage posting – March 2011 UWMP Workshop

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Valencia Water Company

Valencia Water Company

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Valencia Water Company's Tiered Rate System, Revenue Request Approved by CPUC

2010 Urban Water Management Plan - March Community Workshop

Upper Santa Clara Integrated Regional Water Management Plan

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Water SMART Allocation Program

Welcome to
Valencia Water Company

24631 Avenue Rockefeller
Valencia, CA 91355

Valencia Water Company meets the water needs of homes and businesses in the northern Los Angeles County communities of Valencia, Stevenson Ranch and portions of Saugus, Newhall and Castaic. We are committed to delivering a dependable supply of safe, reliable water while providing thorough, friendly and efficient service.

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Valencia Water Company

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SANTA CLARITA VALLEY

2010 Urban Water Management Plan
COMMUNITY WORKSHOP

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Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company


Newhall County Water District
Webpage & Facebook posting – March 2011 UWMP Workshop

NCWD - NEWHALL COUNTY WATER DISTRICT - Windows Internet Explorer provided by Yahoo!

http://www.ncwd.org

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NCWD - NEWHALL COUNTY WATER DISTRICT



**NEWHALL COUNTY
WATER DISTRICT**
NCWD

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**NEWHALL COUNTY
WATER DISTRICT**

The Mission of NCWD is to provide quality water service at a reasonable cost by practicing careful stewardship of natural resources, utilizing innovative measures, and providing a quality working environment.

LATEST NEWS

Acrobat Reader 7 or later is required to view many of our documents. Get Acrobat Reader

GFOA Award
NCWD Receives Award for Outstanding Financial Reporting

Notice of Holiday Closure
List of NCWD's holiday closure

Residential Sprinkler Nozzle Program
How You Can Receive a FREE Sprinkler Nozzle

NCWD Announces 2011 Board Officers

2010 Urban Water Management Plan
Community Workshop March 8, 11

CONTACT

Tel: (661) 259-3610
Fax: (661) 259-3574
Email: mail@ncwd.org

CLICK HERE

NEWSLETTER

The Quarterly Newsletter is available online

Click Here

REPORTS

**THE FIRST PUBLIC
WATER UTILITY
IN THE SANTA
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http://www.ncwd.org/CI/In_the_News/UWMP_March_Workshop.pdf - Windows Internet Explorer provided by Yahoo!

http://www.ncwd.org/CI/In_the_News/UWMP_March...

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Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

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www.ncwd.org
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Newhall County Water District
Reg Board Mtg Thur Feb 10 11 6:30pm
<http://www.ncwd.org/OB/Agendas/regular-meeting-Feb10-2011.pdf>
www.ncwd.org
February 4 at 9:17am · Like · Comment · Share

Newhall County Water District
Finance Committee Mtg Jan 19 11 6:30pm
<http://www.ncwd.org/OB/Agendas/Finance-meeting-Jan19-2011.pdf>
www.ncwd.org
January 11 at 8:20am · Like · Comment · Share

Newhall County Water District
2010 Urban Water Management Plan Community Workshop Jan 25 11
http://www.ncwd.org/CI/In_the_News/CLWA%20January%20workshop%20Ad%20%20Rev%20-%20signal.pdf
www.ncwd.org
January 11 at 11:45am · Like · Comment · Share

Newhall County Water District
2010 Urban Water Management Plan Community Workshop Jan 25 11
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Increase protection

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Buffalo Wild Wings

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Dermatologists HATE Her!
www.fox.com

Local Mom discovers SHOCKING \$3 method to erasing wrinkles. Read her Tip for the Week!

David Gold

1 Chat (11)

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Santa Clarita Valley Urban Water Management Plan

Community Workshop

March 8, 2011
4:00 pm
Castaic Lake Water Agency






1

Agenda

- ▶ Introductions
- ▶ Review of Past Workshops
- ▶ UWMP Overview
- ▶ Water Supply and Demands
- ▶ Public Hearing Process and Schedule
- ▶ Questions and Answers

2

Past Workshops

- ▶ **May 2010**
 - ▶ UWMP purposed and process – What, Who, Why and When
 - ▶ Existing and new requirements of UWMPs
- ▶ **July 2010**
 - ▶ SBX7 – 7 Requirements
 - ▶ Recycled Water
 - ▶ Groundwater Supplies
 - ▶ State Water Project Reliability
- ▶ **November 2010** (with the IRWMP Stakeholders)
 - ▶ UWMP purposed and process – What, Who, Why and When
 - ▶ Required under SBX7 – 7
 - ▶ Importance of UWMP to IRWMP process and vice versa

3

Past Workshops

- ▶ **November 2010**
 - ▶ GPCD population assumptions and calculations
 - ▶ SBX7-7
 - ▶ Targets by retailer
- ▶ **January 2011**
 - ▶ Overview of water supplies
 - ▶ SWP reliability update
 - ▶ CLWA reliability planning update
 - ▶ SBX7-7 ("20x2020") calculations and targets
 - ▶ Overview of water supplies and demand

4

UWMP Act Overview

- ▶ **The Basics**
 - UWMP Act applies to all CA water suppliers with 3,000 or more service connections or selling at least 3,000 AFY (retail or wholesale)
 - Main focus: to identify gaps between supply and demand through time (20-year analysis required)
 - Must describe how demand will be met through time, in all hydrologic year types (normal, multiple dry years, single dry year)
 - If there will be shortages, describe how they will be addressed

5

UWMP Act Overview

- ▶ **The Basics (cont'd.)**
 - Requires detailed description of all supply sources (surface, recycled, groundwater)
 - Water quality problems that may impact supply
 - Demand Management Measures (water conservation programs)
 - Water shortage contingency planning
 - Must update every five years, in years ending in 5 and 0 (such as 2010)

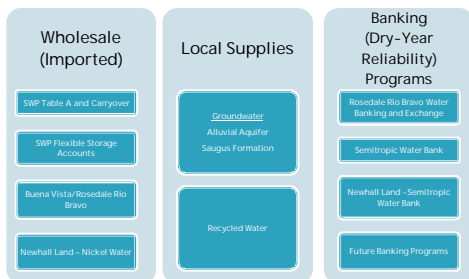
6

UWMP Act Overview

- ▶ DWR reviews UWMPs for “completeness”
 - If data not evident or items not in compliance, DWR will find UWMP “incomplete”
 - DWR will send letter to water supplier requesting additional data to bring UWMP up to code
 - May impact supplier’s ability to obtain grant/loan funding
 - May impact supplier’s ability to provide SB 610 Water Supply Assessments and SB 221 Water Supply Verifications

7

Santa Clarita Valley Water Supplies



8

Water Supplies and Demand

- Normal/Single Dry/Multiple Dry Years
- ▶ Existing Supplies
 - ▶ Planned Supplies
 - ▶ Demands with and without Conservation
 - ▶ Demands and Supply Comparison

9

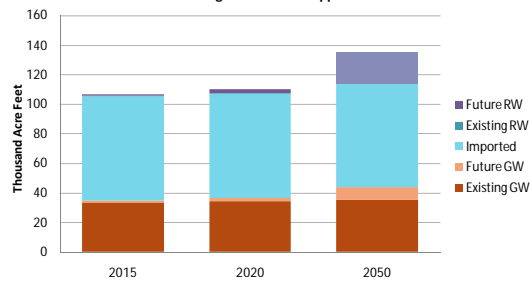
Normal Year – Regional Summary

| Regional Summary | Supply (AF) | | |
|--|----------------|----------------|----------------|
| | 2015 | 2020 | 2050 |
| Existing Groundwater | | | |
| Alluvial Aquifer | 24,395 | 24,000 | 25,000 |
| Sageua Formation | 9,725 | 10,225 | 10,225 |
| Recycled Water | 325 | 325 | 325 |
| Imported Water | | | |
| State Water Project Table A and Carryover | 58,300 | 57,800 | 57,400 |
| Flexible Storage Accounts | | | |
| Buena Vista Resettlement | 11,000 | 11,000 | 11,000 |
| Nickel Water - Newhall Land | 1,607 | 1,607 | 1,607 |
| Banking Programs | | | |
| Piedmont Rio Grande | - | - | - |
| Santitas Water Storage District | - | - | - |
| Serrano - Newhall Land and Farming | - | - | - |
| Total Existing Supplies | 102,342 | 105,057 | 105,537 |
| Planned Supplies | | | |
| Future Groundwater | | | |
| Alluvial Aquifer | - | 1,000 | 7,000 |
| Sageua Formation | - | 1,375 | 1,375 |
| Recycled Water | - | 2,725 | 20,625 |
| Future Banking Programs | - | - | - |
| Total Planned Supplies | - | 5,100 | 29,350 |
| Total Existing and Planned Supplies | 102,342 | 110,157 | 134,887 |
| Demand without Conservation | 80,070 | 88,484 | 138,968 |
| Conservation Requirements | | | |
| Conservation Objective | 6,691 | 14,937 | 24,274 |
| Reduction from Recycled Water | 1,300 | 1,050 | 41,300 |
| Net Anticipated Water Conservation | 5,391 | 11,887 | 12,403 |
| Demand w/ Conservation | 74,679 | 76,597 | 126,565 |

10

Normal Year Supplies

Existing and Planned Supplies



11

Normal Year – Existing Water Supplies

| Water Supply Sources | Supply (AF) | | |
|---------------------------------|--------------|--------------|--------------|
| | 2015 | 2020 | 2050 |
| Existing Groundwater | | | |
| Alluvial Aquifer | | | |
| LACWD 36 | | | |
| NCWD | 1,825 | 1,825 | 1,825 |
| SCWD | 10,500 | 10,500 | 11,500 |
| VWC | 11,600 | 11,675 | 11,675 |
| Sageua Formation | | | |
| LACWD 36 | 3,525 | 3,525 | 3,525 |
| NCWD | 2,850 | 3,350 | 3,350 |
| SCWD | 2,850 | 3,350 | 3,350 |
| VWC | 2,850 | 3,350 | 3,350 |
| Recycled Water | | | |
| LACWD 36 | - | - | - |
| NCWD | - | - | - |
| SCWD | - | - | - |
| VWC | 325 | 325 | 325 |
| Imported Water | | | |
| SWP Table A and Carryover | | | |
| LACWD 36 | 1,600 | 1,643 | 3,200 |
| NCWD | 8,000 | 8,019 | 11,400 |
| SCWD | 23,918 | 24,263 | 25,787 |
| VWC | 24,442 | 22,776 | 18,976 |
| SWP Flexible Storage Accounts | | | |
| Buena Vista Resettlement | | | |
| LACWD 36 | 325 | 375 | 650 |
| NCWD | 1,600 | 1,750 | 2,250 |
| SCWD | 4,628 | 4,775 | 5,050 |
| VWC | 4,400 | 4,100 | 3,050 |
| Nickel Water - Newhall Land | | | |
| VWC | 1,607 | 1,607 | 1,607 |
| Totals Existing Supplies | 1,984 | 2,318 | 3,918 |
| LACWD 36 | 15,034 | 16,018 | 19,069 |
| NCWD | 41,943 | 42,888 | 45,687 |
| VWC | 45,291 | 43,833 | 36,682 |

12

Normal Year – Planned Water Supplies

| Planned Supplies | Supplies/AF | | |
|--|-------------|--------|--------|
| | 2015 | 2020 | 2050 |
| Future Groundwater | | | |
| - Alluvial Aquifer | | | |
| - LACWD 36 | - | - | - |
| - NCWD | - | - | - |
| - SCWD | - | - | - |
| - VWC | - | 1,000 | 7,000 |
| Sagehen Formation | | | |
| - LACWD 36 | 500 | 500 | 500 |
| - NCWD | 875 | 875 | 875 |
| - SCWD | - | - | - |
| - VWC | - | - | - |
| Recycled Water | | | |
| - LACWD 36 | - | 50 | 50 |
| - NCWD | 200 | 500 | 3,275 |
| - SCWD | 100 | 500 | 5,775 |
| - VWC* | 875 | 1,875 | 11,875 |
| Future Banking Programs | - | - | - |
| Total Planned Supplies | | | |
| - LACWD 36 | 500 | 550 | 550 |
| - NCWD | 1,075 | 1,375 | 4,150 |
| - SCWD* | 100 | 500 | 5,775 |
| - VWC | 875 | 2,375 | 18,875 |
| Total Existing and Planned Supplies | | | |
| - LACWD 36 | 2,481 | 2,860 | 4,469 |
| - NCWD | 16,109 | 17,393 | 23,219 |
| - SCWD | 47,043 | 43,388 | 51,462 |
| - VWC | 45,974 | 46,508 | 55,757 |

* This information was inadvertently omitted from the presentation and handout materials provided at the March 8, 2011 workshop. The corrected versions have been uploaded to the Agency website.

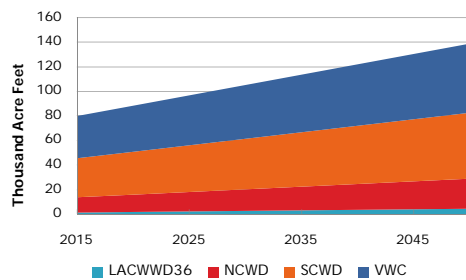
13

Normal Year – Demands with and Without Conservation

| | Supplies/Demands (AF) | | |
|---------------------------------------|-----------------------|--------|--------|
| | 2015 | 2020 | 2050 |
| LACWD 36 | | | |
| - Demand | 1,759 | 2,189 | 4,784 |
| - Anticipated Conservation Objections | 176 | 438 | 954 |
| - Reduction from Recycled Water | - | 50 | 50 |
| - Net Anticipated Water Conservation | 176 | 388 | 904 |
| - Demand w/ Conservation | 1,583 | 1,801 | 3,884 |
| - Existing and Planned Supplies | 2,481 | 2,860 | 4,469 |
| SBX7-7 Compliance Calculations | | | |
| NCWD | | | |
| - Demand | 12,571 | 14,246 | 24,300 |
| - 20x2020 Reduction | 949 | 2,152 | 3,670 |
| - Reduction from Recycled Water | 200 | 500 | 3,275 |
| - Reduction from Water Conservation | 749 | 1,652 | 1,652 |
| - Demand w/ Conservation | 11,874 | 12,895 | 22,849 |
| - Existing and Planned Supplies | 16,109 | 17,393 | 23,219 |
| SCWD | | | |
| - Demand | 31,633 | 34,814 | 53,900 |
| - 20x2020 Reduction | 2,453 | 5,500 | 8,364 |
| - Reduction from Recycled Water | 100 | 500 | 5,775 |
| - Reduction from Water Conservation | 2,351 | 4,900 | 4,900 |
| - Demand w/ Conservation | 29,280 | 29,914 | 45,000 |
| - Existing and Planned Supplies | 42,043 | 43,388 | 51,462 |
| VWC | | | |
| - Demand | 34,107 | 37,232 | 56,000 |
| - 20x2020 Reduction | 3,112 | 6,948 | 11,289 |
| - Reduction from Recycled Water | 1,000 | 2,000 | 12,200 |
| - Reduction from Water Conservation | 2,112 | 4,948 | 4,948 |
| - Demand w/ Conservation | 31,885 | 32,287 | 51,652 |
| - Existing and Planned Supplies | 45,974 | 46,508 | 55,757 |

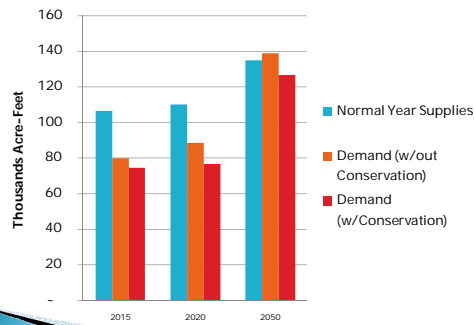
14

Normal Year Purveyor Demands



15

Normal Year – Regional Summary Existing and Projected Supplies and Demands



16

Single Dry Year Water Supply and Demand

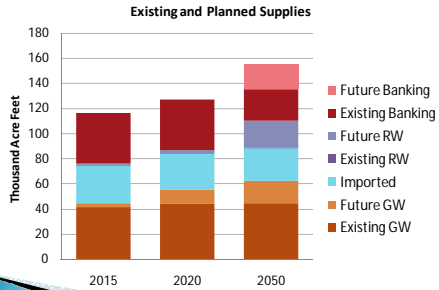
17

Single Dry Year Existing and Planned Supplies and Demands

| Water Supply Sources | 2015 | 2020 | 2050 |
|--|----------------|----------------|----------------|
| Existing Supplies | | | |
| Existing Groundwater | | | |
| Alluvial Aquifer | 20,300 | 20,250 | 20,600 |
| Saturated Formation | 21,225 | 24,175 | 24,150 |
| Recycled Water | 325 | 325 | 325 |
| Imported Water | | | |
| SWP, Table A and Carryover | 11,900 | 11,000 | 9,100 |
| SWP Flexible Storage Accounts | 4,950 | 4,600 | 4,600 |
| Buena Vista-Rosedale | 11,000 | 11,000 | 11,000 |
| Nickel Water-Newhall Land | 1,600 | 1,600 | 1,600 |
| Banking Programs | | | |
| Rosedale Rio Bravo | 20,000 | 20,000 | 20,000 |
| Seminole Water Bank | 15,000 | 15,000 | |
| Seminole - NLP | 4,950 | 4,950 | 4,950 |
| Total Existing Supplies | 112,365 | 112,885 | 99,425 |
| Planned Supplies | | | |
| Future Groundwater | | | |
| Alluvial Aquifer | 200 | 1,250 | 7,750 |
| Saturated Formation | 2,875 | 8,925 | 8,925 |
| Recycled Water | 875 | 2,725 | 20,975 |
| Banking Programs | | | |
| Banking Programs | 4,950 | 13,900 | 20,000 |
| Total Planned Supplies | 8,900 | 13,900 | 36,650 |
| Total Existing and Planned Supplies | 121,265 | 126,785 | 136,075 |
| Demand w/o Conservation | 88,075 | 97,332 | 152,885 |
| Conservation Requirement | | | |
| Conservation Objective | 8,685 | 14,932 | 24,274 |
| Reduction from Recycled Water | 1,300 | 3,054 | 21,300 |
| Net Anticipated Conservation | 5,385 | 11,878 | 45,574 |
| Demand w/ Conservation | 82,690 | 85,454 | 107,311 |

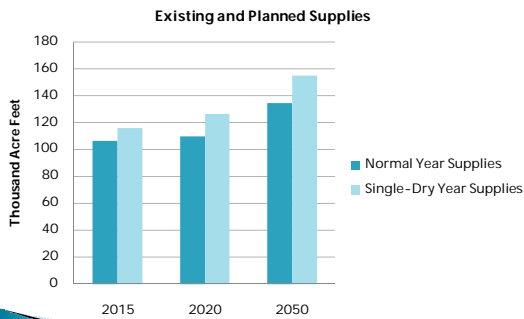
18

Single Dry Year



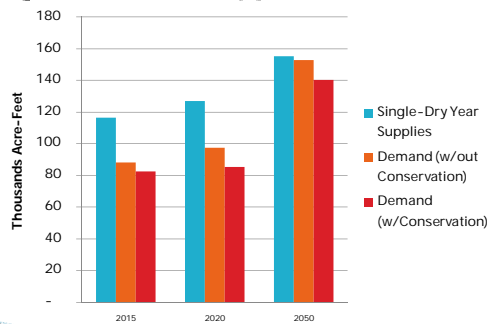
19

Normal vs. Single Dry Year



20

Single-Dry Year Existing and Planned Supplies and Demands



21

Multiple Dry Year Water Supply and Demand

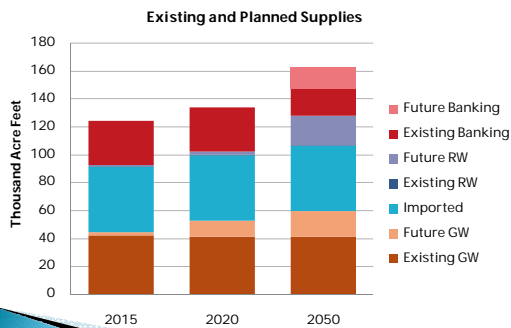
22

Multiple Dry Year Existing and Planned Supplies and Demands

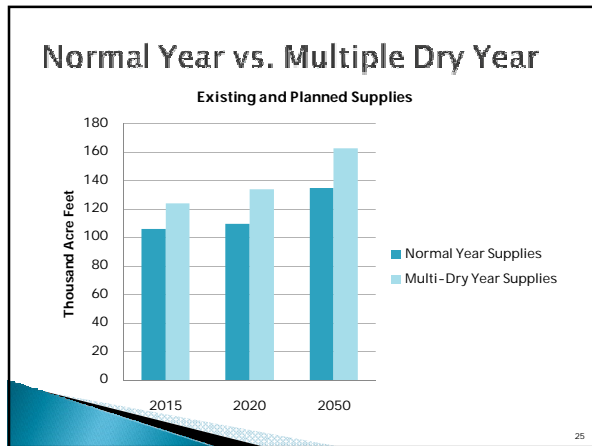
| Water Supply Sources | Supplies (AF) | | |
|--|----------------|----------------|----------------|
| | 2015 | 2020 | 2050 |
| Existing Supplies | | | |
| Existing Groundwater | | | |
| Alluvial Aquifer | 20,426 | 20,426 | 21,326 |
| Shajuaq Formation | 22,075 | 21,325 | 20,075 |
| Recycled Water | 325 | 325 | 325 |
| Imported Water | | | |
| SWP Table A and Carryover | 32,900 | 32,900 | 33,000 |
| Flexible Storage Accounts | 1,610 | 1,170 | 1,170 |
| Rivers Verde/Rio Grande | 11,000 | 11,000 | 11,000 |
| Nickel Water - Newhall Land | 1,607 | 1,607 | 1,607 |
| Banking Programs | | | |
| Rosedale Rio Bravo | 15,000 | 15,000 | 15,000 |
| Seminole Water Bank | 11,500 | 11,500 | - |
| Seminole - M.F. | 4,950 | 4,950 | 4,950 |
| Total Existing Supplies | 121,288 | 120,202 | 108,952 |
| Planned Supplies | | | |
| Future Groundwater | | | |
| Alluvial Aquifer | - | 1,000 | 7,000 |
| Shajuaq Formation | 2,250 | 10,325 | 11,075 |
| Recycled Water | 875 | 2,725 | 20,875 |
| Banking Programs | | | |
| Future Banking | | | 16,000 |
| Total Planned Supplies | 3,225 | 14,050 | 54,950 |
| Total Existing and Planned Supplies | 124,513 | 134,252 | 163,902 |
| Demand w/o Conservation | 88,068 | 97,325 | 152,865 |
| Conservation Requirements | | | |
| Conservation Objective | 8,664 | 14,937 | 24,274 |
| Reduction from Recycled Water | 1,304 | 3,050 | 21,300 |
| Net Anticipated Conservation | 5,394 | 11,887 | 12,403 |
| Demand w/ Conservation | 82,674 | 85,438 | 140,462 |

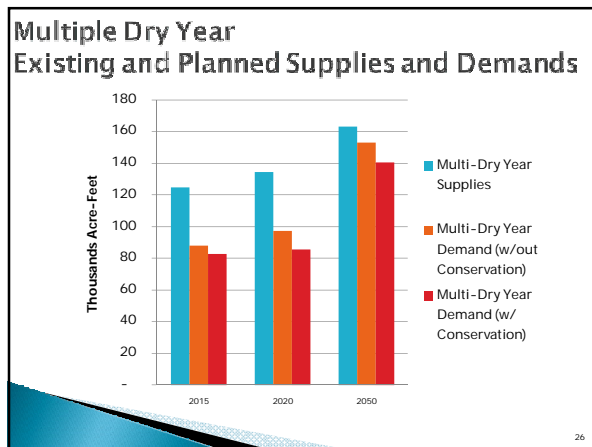
23

Multiple Dry Year Supplies



24





Public Hearings

- ▶ **Hearings (CLWA and NCWD)**
 - March 23, 2011, 6:15 pm at CLWA
 - May 4, 2011, 6:15 pm at CLWA
- ▶ **Adoption**
 - May or June 2011 (due to DWR within 30 days after adoption)

27

Questions and Answers



28

Santa Clarita Valley Urban Water Management Plan

March 8, 2011 - Community Workshop Sign In Sheet

| PRINT NAME | ORGANIZATION | TITLE | PHONE | EMAIL |
|-------------------------------|---------------------------|--------------------------|----------------|-------------------|
| 1. ALBERT PETERSON | CITY OF GLENDALE WATER | APPRENTICE | 818/548-2011 | N/A |
| 2. CRAVES, E | CC | ASSOCIATE | 661-406-3219 | — |
| 3. Keith Abernethy | VWC | | | |
| 4. Jackie Bink | San Sharon Runner | | | |
| 5. Jessica Bunker | WWD No. 34 | ASSOCIATE CIVIL ENGR. | 626-300-3315 | jbunker@ladpw.org |
| 6. Jeff Ford | CLWA | Water Res Planner | (61) 297-1600 | jford@clwa.org |
| 7. Rosie Talamante | | | | |
| 8. Chw Brightwell | BWP | Apprentice | (818) 621-5724 | |
| 9. James Rowland | " | " | (818) 926-0978 | |
| 10. KC VALVO | " | " | " | " |
| 11. MIKE WILDERMUTH | " | " | " | " |
| 12. ROBERT MUIZANJA | " | WATER METER MECHANIC | 818 238 3566 | |
| 13. Sean Allen | " | Apprentice | 818 618 0331 | |
| 14. | | | | |
| 15. | | | | |
| 16. Cam Notelberger (spun in) | | | | |
| 17. Lynn Plambeck | | | | |
| 18. | | | | |

Santa Clarita Valley Urban Water Management Plan

March 8, 2011 - Community Workshop Sign In Sheet

| PRINT NAME | ORGANIZATION | TITLE | PHONE | EMAIL |
|-----------------------------|--------------|-----------------------|--------------------|-------------------------------------|
| 1. MARK Yochling | MA Yochling | Pres | 661 252 4806 | MYochling@scval.org |
| 2. Tom Reynolds | NA | NA | 661 252 4374 | — |
| 3. Lauren Everett | KJ | | 805 913 6705 | |
| 4. Charles Romero | GWP | Water System Mechanic | 818-548-2011 | cromero.ci@glendale.us.gov |
| 5. Jon Wallace | COC | STUDENT | (661) 313-8095 | JCWALLACE ^{url} @yahoo.com |
| 6. Francisco Guerrero | LCCSD | Engineer | 502 906 4262 x2232 | Fguerrero@lccsd.org |
| 7. Sharon Sorensen | City of S.C. | Sr. Planner | (661) 253-4330 | ssorensen@santacclarita.com |
| 8. Casey Bingham | City of SC | Analyst | 661-255-4902 | cbingham@santa-clarita.com |
| 9. Mic Guerrero | COC | Student | 661 210 5717 | |
| 10. Kimberly Clifton | COC | NA | 661 713-2312 | shychic_@yahoo.com |
| 11. Steve McLean | COC | — | 661-312-5463 | MCLEAN.STEPMEN@CA.RR.CO |
| 12. Stephanie Anagnoson | CLWA | | 661 513 1231 | |
| 13. Cathy Holloman | SCWA | Assoc WR Planner | 661-259-2737 | cholloman@scwater.org |
| 14. MIKE RUFFY | C.O.C | STUDENT | — | |
| 15. LUS MARGHERITIS | COC | ELECT./INSTA | 661 510 4448 | LMARGHERITIS@CLWA.ORG |
| 16. Greg Miller | VWC | VP Admin | 661 295-6517 | |
| 17. Derrick Jacobson | COC | N/A | (661) 310-6145 | drock18@ymail.com |
| 18. Tristan Moreno | N/A | N/A | ↓ | ↓ |

Email notification of revised March workshop powerpoint
Sent to all on master list

Stacy Miller

To: Stacy Miller
Cc: Stacy Miller
Subject: FW: Urban Water Management Plan (UWMP)

Dear March 8th Urban Water Management Plan (UWMP) community workshop attendee:

Below, please find a link to an updated version of the PowerPoint presentation from the March 8, 2011 UWMP Community Workshop. Please note that there was a small amount of information on the "Normal Year - Planned Water Supply" slide that was inadvertently omitted from the presentation and handout materials.

We appreciate your attendance, participation and feedback in this important process. Should you have any questions, please feel free to contact us.

Stacy Miller
Public Outreach Manager
2010 SCV Urban Water Management Plan

- Link to March 8, 2011 UWMP Community Workshop Presentation -
<http://www.clwa.org/about/pdfs/March%202011%20UWMP%20Workshop%20draft%203811.pdf>



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P.O. Box 55745, Valencia, CA 91385

[818] 402-5806 [661] 222-9733 Fax stacy@StacyMillerPA.com

www.StacyMillerPA.com

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**First Public Hearing
March 23, 2011
Public Outreach Record**

**2010 Santa Clarita Valley
Urban Water Management Plan**

March 3, 2011

Mike Murphy
Intergovernmental Relations Officer
City of Santa Clarita
23920 Valencia Blvd., Suite 300
Santa Clarita, CA 91355



Subject: Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Murphy:

As you know, Castaic Lake Water Agency (CLWA), CLWA Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD), and Valencia Water Company (VWC) have joined to prepare a regional Urban Water Management Plan (UWMP) for the Santa Clarita Valley, as they did in 2000 and 2005. Los Angeles County Waterworks District No. 36 (LA 36) is participating on an ad hoc basis. Adoption of the 2010 UWMP is required under the Urban Water Management Planning Act (Act) by July 1, 2011.

CLWA is providing you with this notice on its behalf, as well as on behalf of SCWD, LA-36, NCWD and VWC, pursuant to Water Code, section 10621, subdivision (b) of the Act, which requires an urban water supplier to notify any city or county within which it provides water that it is reviewing its plan and considering changes to the plan. Additionally, when a draft UWMP is available for public review, a copy will be sent to you.

While the Act only requires that an urban water supplier hold one public hearing before adopting a plan, in order to ensure sufficient opportunity for public feedback, input and suggestions concerning the 2010 UWMP, two public hearings are scheduled. Additional hearings may be scheduled if needed.

The first public hearing will be held at 6:15 p.m., on Wednesday, March 23, 2011. The second public hearing will be held at 6:15 p.m., on Wednesday, May 4, 2011. Both public hearings will take place at the CLWA Boardroom, located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

If you have any questions please contact me at (661) 297-1600.

Sincerely,

A handwritten signature in cursive script, appearing to read "Dirk Marks".

Dirk Marks
Water Resources Manager

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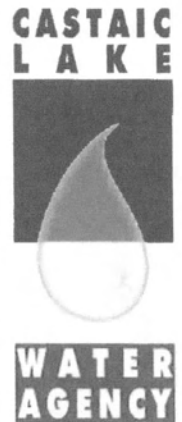
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website address: www.clwa.org

March 3, 2011

Jeff W. Hogan, AICP
Interim Planning Manager
City of Santa Clarita Planning Division
23920 Valencia Blvd., Suite 300
Santa Clarita, CA 91355



Subject: Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Hogan:

As you know, Castaic Lake Water Agency (CLWA), CLWA Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD), and Valencia Water Company (VWC) have joined to prepare a regional Urban Water Management Plan (UWMP) for the Santa Clarita Valley, as they did in 2000 and 2005. Los Angeles County Waterworks District No. 36 (LA 36) is participating on an ad hoc basis. Adoption of the 2010 UWMP is required under the Urban Water Management Planning Act (Act) by July 1, 2011.

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Dirk Marks
Water Resources Manager

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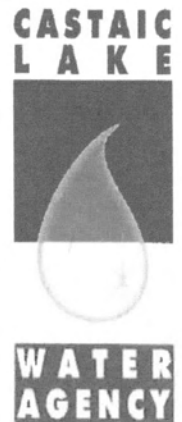
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March 3, 2011

Jason Smisko
Senior Planner
City of Santa Clarita Planning Division
23920 Valencia Blvd., Suite 300
Santa Clarita, CA 91355



Subject: Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Smisko:

As you know, Castaic Lake Water Agency (CLWA), CLWA Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD), and Valencia Water Company (VWC) have joined to prepare a regional Urban Water Management Plan (UWMP) for the Santa Clarita Valley, as they did in 2000 and 2005. Los Angeles County Waterworks District No. 36 (LA 36) is participating on an ad hoc basis. Adoption of the 2010 UWMP is required under the Urban Water Management Planning Act (Act) by July 1, 2011.

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Sincerely,

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Dirk Marks
Water Resources Manager

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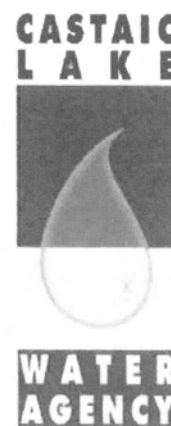
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website address: www.clwa.org

March 3, 2011

Chris Stevens, Director
Resource Management Agency
County of Ventura
800 South Victoria Avenue
Ventura, CA 93009-1740



Subject: Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Stevens:

As you know, Castaic Lake Water Agency (CLWA), CLWA Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD), and Valencia Water Company (VWC) have joined to prepare a regional Urban Water Management Plan (UWMP) for the Santa Clarita Valley, as they did in 2000 and 2005. Los Angeles County Waterworks District No. 36 (LA 36) is participating on an ad hoc basis. Adoption of the 2010 UWMP is required under the Urban Water Management Planning Act (Act) by July 1, 2011.

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Sincerely,

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Dirk Marks
Water Resources Manager

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website address: www.clwa.org

March 3, 2011

Richard J. Bruckner, Director
Los Angeles County
Department of Regional Planning
1390 Hall of Records
320 West Temple Street
Los Angeles 90012

Subject: Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Bruckner:

As you know, Castaic Lake Water Agency (CLWA), CLWA Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD), and Valencia Water Company (VWC) have joined to prepare a regional Urban Water Management Plan (UWMP) for the Santa Clarita Valley, as they did in 2000 and 2005. Los Angeles County Waterworks District No. 36 (LA 36) is participating on an ad hoc basis. Adoption of the 2010 UWMP is required under the Urban Water Management Planning Act (Act) by July 1, 2011.

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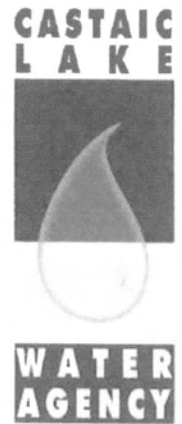
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If you have any questions please contact me at (661) 297-1600.

Sincerely,



Dirk Marks
Water Resources Manager



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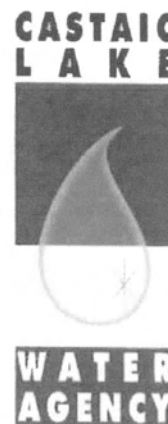
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website address: www.clwa.org

March 3, 2011

Mark Pestrella
Department of Public Works
Los Angeles County
P.O. Box 1460
Alhambra 91802-1460



Subject: Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Pestrella:

As you know, Castaic Lake Water Agency (CLWA), CLWA Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD), and Valencia Water Company (VWC) have joined to prepare a regional Urban Water Management Plan (UWMP) for the Santa Clarita Valley, as they did in 2000 and 2005. Los Angeles County Waterworks District No. 36 (LA 36) is participating on an ad hoc basis. Adoption of the 2010 UWMP is required under the Urban Water Management Planning Act (Act) by July 1, 2011.

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If you have any questions please contact me at (661) 297-1600.

Sincerely,

A handwritten signature in cursive script, appearing to read "Dirk Marks".

Dirk Marks
Water Resources Manager

BOARD OF DIRECTOR

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VICE PRESIDENT
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GENERAL COUNSEL
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SECRETARY
APRIL JACOBS

"A PUBLIC AGENCY PROVIDING RELIABLE, QUALITY WATER AT A REASONABLE COST TO THE SANTA CLARITA VALLEY"

March 3, 2011

Jessica Bunker, P.E.
Waterworks Division
P.O. Box 1460
Alhambra, CA 91802-1460

Subject: Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Ms. Bunker:

As you know, Castaic Lake Water Agency (CLWA), CLWA Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD), and Valencia Water Company (VWC) have joined to prepare a regional Urban Water Management Plan (UWMP) for the Santa Clarita Valley, as they did in 2000 and 2005. Los Angeles County Waterworks District No. 36 (LA 36) is participating on an ad hoc basis. Adoption of the 2010 UWMP is required under the Urban Water Management Planning Act (Act) by July 1, 2011.

CLWA is providing you with this notice on its behalf, as well as on behalf of SCWD, LA-36, NCWD and VWC, pursuant to Water Code, section 10621, subdivision (b) of the Act, which requires an urban water supplier to notify any city or county within which it provides water that it is reviewing its plan and considering changes to the plan. Additionally, when a draft UWMP is available for public review, a copy will be sent to you.

While the Act only requires that an urban water supplier hold one public hearing before adopting a plan, in order to ensure sufficient opportunity for public feedback, input and suggestions concerning the 2010 UWMP, two public hearings are scheduled. Additional hearings may be scheduled if needed.

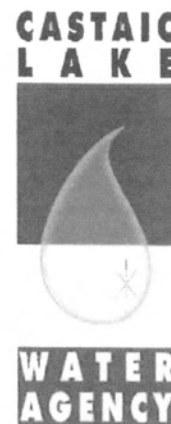
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Sincerely,



Dirk Marks
Water Resources Manager



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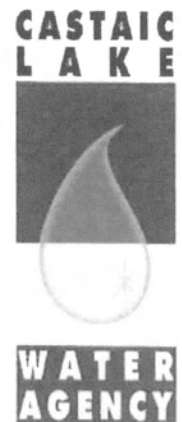
APRIL JACOBS

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27234 BOUQUET CANYON ROAD • SANTA CLARITA, CALIFORNIA 91350-2173 • 661 297-1600 FAX 661 297-1611
website address: www.clwa.org

March 3, 2011

Rosalind Wayman, Field Deputy
Los Angeles County
Fifth Supervisorial District
23920 Valencia Blvd., Suite 265
Santa Clarita, CA 91355



Subject: Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Ms. Waymans:

As you know, Castaic Lake Water Agency (CLWA), CLWA Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD), and Valencia Water Company (VWC) have joined to prepare a regional Urban Water Management Plan (UWMP) for the Santa Clarita Valley, as they did in 2000 and 2005. Los Angeles County Waterworks District No. 36 (LA 36) is participating on an ad hoc basis. Adoption of the 2010 UWMP is required under the Urban Water Management Planning Act (Act) by July 1, 2011.

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Sincerely,

A handwritten signature in dark ink, appearing to read "Dirk Marks".

Dirk Marks
Water Resources Manager

BOARD OF DIRECTOR

PRESIDENT
THOMAS P. CAMPBELL

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"A PUBLIC AGENCY PROVIDING RELIABLE, QUALITY WATER AT A REASONABLE COST TO THE SANTA CLARITA VALLEY"

THE SIGNAL NEWSPAPER

24000 Creekside Rd

Valencia, Ca 91355

Proof of Publication

(2015.5 C.C.P.)

STATE OF CALIFORNIA,
COUNTY OF LOS ANGELES

I am a citizen of the United States, and a resident of the county aforesaid; I am over the age of eighteen years; and I am not a party to or interested in the notice published. I am the chief legal advertising clerk of the publisher of the

SIGNAL NEWSPAPER

a newspaper of general circulation, printed and published **Daily** in the city of Santa Clarita County of Los Angeles, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Los Angeles State of California, under the date of **March 25, 1988**

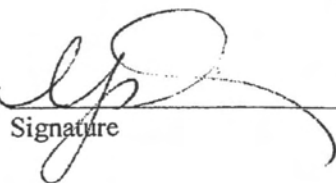
Case number **NVC15880**, that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit: **3/4, 3/11, 3/18**

All in the year 20 **11**

I certify (or declare) under penalty of perjury that the foregoing is true and correct

Dated at Valencia, California, this

18 day of **March**, 20 **11**


Signature

**NOTICE OF
PUBLIC HEARINGS
2010 URBAN WATER
MANAGEMENT PLAN**

Castaic Lake Water Agency ("CLWA"), CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company have directed the preparation of a joint regional 2010 Urban Water Management Plan ("UWMP") for the Santa Clarita Valley, as encouraged by the Urban Water Management Planning Act ("Act"). Los Angeles County Waterworks District No. 36 is participating in the process on an ad hoc basis. Adoption of the 2010 UWMP is required under the Act by July 1, 2011.

While the Act only requires that an urban water supplier hold one public hearing before adopting a plan, in order to ensure sufficient opportunity for public feedback, input and suggestions concerning the 2010 UWMP, two public hearings are scheduled. Additional hearings may be scheduled if needed.

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For additional information regarding the public hearings, please contact Dirk Marks, CLWA Water Resources Manager, at (661) 297-1600.





The Signal 2/25, 3/4, 3/11 & 3/18 2011

Paste Clipping
of Notice
SECURELY
In This Space

Santa Clarita Valley Urban Water Management Plan

Community Workshop

March 8, 2011
4:00 pm
Castaic Lake Water Agency

Agenda

- › Introductions
- › Review of Past Workshops
- › UWMP Overview
- › Water Supply and Demands
- › Public Hearing Process and Schedule
- › Questions and Answers

Past Workshops

- › **May 2010**
 - › UWMP purposed and process - What, Who, Why and When
 - › Existing and new requirements of UWMPs
- › **July 2010**
 - › SBX7-7 Requirements
 - › Recycled Water
 - › Groundwater Supplies
 - › State Water Project Reliability
- › **November 2010 (with the IRWMP Stakeholders)**
 - › UWMP purposed and process - What, Who, Why and When
 - › Required under SBX7-7
 - › Importance of UWMP to IRWMP process and vice versa

Past Workshops

- › November 2010
 - › GPCD population assumptions and calculations
 - › SBX7-7
 - › Targets by retailer
- › January 2011
 - › Overview of water supplies
 - › SWP reliability update
 - › CLWA reliability planning update
 - › SBX7-7 ("20x2020") calculations and targets
 - › Overview of water supplies and demand

4

UWMP Act Overview

› The Basics

- › UWMP Act applies to all CA water suppliers with 3,000 or more service connections or selling at least 3,000 AFY (retail or wholesale)
- › Main focus: to identify gaps between supply and demand through time (20-year analysis required)
- › Must describe how demand will be met through time, in all hydrologic year types (normal, multiple dry years, single dry year)
- › If there will be shortages, describe how they will be addressed

5

UWMP Act Overview

› The Basics (cont'd.)

- › Requires detailed description of all supply sources (surface, recycled, groundwater)
- › Water quality problems that may impact supply
- › Demand Management Measures (water conservation programs)
- › Water shortage contingency planning
- › Must update every five years, in years ending in 5 and 0 (such as 2010)

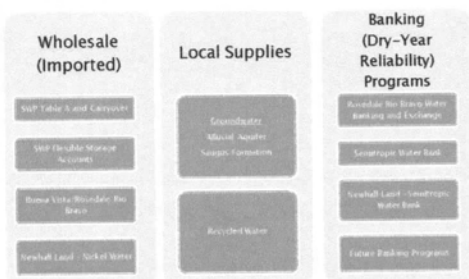
6

UWMP Act Overview

- ▶ DWR reviews UWMPs for "completeness"
 - If data not evident or items not in compliance, DWR will find UWMP "incomplete"
 - DWR will send letter to water supplier requesting additional data to bring UWMP up to code
 - May impact supplier's ability to obtain grant/loan funding
 - May impact supplier's ability to provide SB 610 Water Supply Assessments and SB 221 Water Supply Verifications

7

Santa Clarita Valley Water Supplies



8

Water Supplies and Demand

- Normal/Single Dry/Multiple Dry Years
- ▶ Existing Supplies
 - ▶ Planned Supplies
 - ▶ Demands with and without Conservation
 - ▶ Demands and Supply Comparison

9

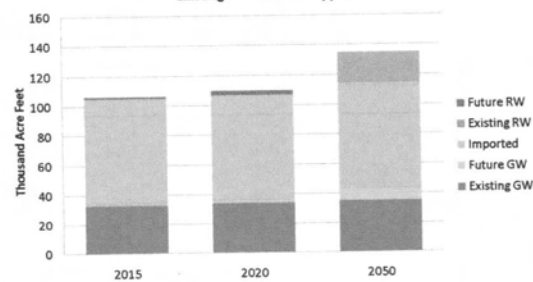
Normal Year - Regional Summary

| Regional Summary | Supply (AF) | | |
|--|----------------|----------------|----------------|
| | 2015 | 2020 | 2050 |
| Existing Groundwater | 24,365 | 24,000 | 25,000 |
| Albion Aquifer | 8,725 | 10,225 | 10,225 |
| Recharged Water | 325 | 325 | 325 |
| Imported Water | | | |
| State Water Project Tule A and Camanche | 55,300 | 57,800 | 57,450 |
| Flexible Storage Accounts | 11,000 | 11,000 | 11,000 |
| Buena Vista Reservoir | 1,807 | 1,807 | 1,807 |
| Nickel Water - Needham Land | - | - | - |
| Desalination Programs | - | - | - |
| Recharge, Rio Bravo | - | - | - |
| San Joaquin Water Storage Control | - | - | - |
| San Joaquin - Needham Land and Farms | - | - | - |
| Total Existing Supplies | 102,242 | 108,957 | 109,997 |
| Planned Supplies | | | |
| Future Groundwater | - | 1,500 | 7,300 |
| Albion Aquifer | - | 1,475 | 1,725 |
| Recharge Formation | - | 2,725 | 20,275 |
| Recharged Water | - | - | - |
| Future Desalination Programs | - | - | - |
| Total Planned Supplies | - | 5,100 | 29,300 |
| Total Existing and Planned Supplies | 102,242 | 114,057 | 139,297 |
| Demand without Conservation | 89,875 | 89,494 | 109,269 |
| Conservation Requirements | | | |
| Conservation - Offstream | 1,000 | 3,000 | 21,000 |
| Reduction from Recharged Water | 4,300 | 11,800 | 12,000 |
| Net Anticipated Water Conservation | 74,875 | 79,894 | 120,000 |

10

Normal Year Supplies

Existing and Planned Supplies



11

Normal Year - Existing Water Supplies

| Water Supply Sources | Supply (AF) | | |
|---|----------------|----------------|----------------|
| | 2015 | 2020 | 2050 |
| Existing Groundwater | | | |
| Albion Aquifer | | | |
| LACWD 36 | 1,807 | 1,807 | 1,807 |
| NCWD | 10,500 | 10,500 | 11,500 |
| SCWD | 11,875 | 11,875 | 11,875 |
| WVC | - | - | - |
| State Water Project | | | |
| LACWD 36 | 2,800 | 2,800 | 2,800 |
| NCWD | 2,800 | 2,800 | 2,800 |
| SCWD | 2,800 | 2,800 | 2,800 |
| WVC | 2,800 | 2,800 | 2,800 |
| Recharged Water | | | |
| LACWD 36 | - | - | - |
| NCWD | - | - | - |
| SCWD | - | - | - |
| WVC | 325 | 325 | 325 |
| Imported Water | | | |
| State Water Project Tule A and Camanche | 1,807 | 1,807 | 1,807 |
| LACWD 36 | 1,807 | 1,807 | 1,807 |
| NCWD | 1,807 | 1,807 | 1,807 |
| SCWD | 1,807 | 1,807 | 1,807 |
| WVC | 1,807 | 1,807 | 1,807 |
| State Water Project Tule A and Camanche | 1,807 | 1,807 | 1,807 |
| Flexible Storage Accounts | 1,807 | 1,807 | 1,807 |
| Buena Vista Reservoir | 1,807 | 1,807 | 1,807 |
| LACWD 36 | 1,807 | 1,807 | 1,807 |
| NCWD | 1,807 | 1,807 | 1,807 |
| SCWD | 1,807 | 1,807 | 1,807 |
| WVC | 1,807 | 1,807 | 1,807 |
| Nickel Water - Needham Land | 1,807 | 1,807 | 1,807 |
| WVC | 1,807 | 1,807 | 1,807 |
| Total Existing Supplies | 102,242 | 108,957 | 109,997 |
| LACWD 36 | 10,500 | 10,500 | 11,500 |
| NCWD | 21,875 | 21,875 | 21,875 |
| SCWD | 21,875 | 21,875 | 21,875 |
| WVC | 21,875 | 21,875 | 21,875 |

12

Normal Year - Planned Water Supplies

| Planned Supplies | Supplies (AF) | | |
|--|---------------|--------|--------|
| | 2015 | 2020 | 2050 |
| Future Groundwater | | | |
| Mixed Aquifer | | | |
| LACWD 36 | - | - | - |
| NCWD | - | - | - |
| SCWD | - | - | - |
| WVC | - | 1,000 | 7,000 |
| Surface Formation | | | |
| LACWD 36 | 500 | 500 | 500 |
| NCWD | 875 | 875 | 875 |
| SCWD | - | - | - |
| WVC | - | - | - |
| Recycled Water | | | |
| LACWD 36 | - | 50 | 50 |
| NCWD | 200 | 500 | 3,275 |
| SCWD | 100 | 500 | 5,775 |
| WVC | 875 | 1,875 | 11,875 |
| Future Surface Projects | | | |
| LACWD 36 | - | - | - |
| NCWD | - | - | - |
| SCWD | - | - | - |
| WVC | - | - | - |
| Total Planned Supplies | | | |
| LACWD 36 | 500 | 550 | 550 |
| NCWD | 1,075 | 1,375 | 4,150 |
| SCWD | 100 | 500 | 5,775 |
| WVC | 875 | 2,875 | 18,875 |
| Total Existing and Planned Supplies | | | |
| LACWD 36 | 2,491 | 2,491 | 4,491 |
| NCWD | 18,108 | 17,280 | 22,219 |
| SCWD | 47,043 | 43,388 | 51,652 |
| WVC | 45,874 | 46,508 | 55,757 |

* This information was inadvertently omitted from the presentation and handout materials provided at the March 8, 2011 workshop. The corrected versions have been uploaded to the Agency website.

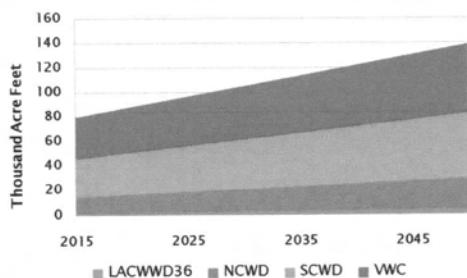
13

Normal Year - Demands with and Without Conservation

| | Supplies/Demands (AF) | | |
|-------------------------------------|-----------------------|--------|--------|
| | 2015 | 2020 | 2050 |
| LACWD 36 | | | |
| Demand | 1,758 | 2,189 | 4,758 |
| Anticipated Conservation Objective | 178 | 438 | 954 |
| Reduction from Recycled Water | - | 50 | 50 |
| Net Anticipated Water Conservation | 178 | 388 | 904 |
| Demand of Conservation | 1,580 | 1,801 | 3,854 |
| Existing and Planned Supplies | 2,491 | 2,869 | 4,491 |
| NCWD Compliance Calculations | | | |
| NCWD | | | |
| Demand | 12,671 | 14,248 | 25,300 |
| 20/20/20 Reduction | 468 | 1,152 | 1,824 |
| Reduction from Recycled Water | 200 | 500 | 3,275 |
| Reduction from Water Conservation | 749 | 1,652 | 1,652 |
| Demand of Conservation | 11,821 | 12,596 | 22,899 |
| Existing and Planned Supplies | 18,108 | 17,280 | 22,219 |
| SCWD | | | |
| Demand | 31,850 | 34,814 | 53,800 |
| 20/20/20 Reduction | 2,459 | 5,000 | 8,364 |
| Reduction from Recycled Water | 100 | 500 | 5,775 |
| Reduction from Water Conservation | 2,357 | 4,800 | 4,800 |
| Demand of Conservation | 29,291 | 29,314 | 48,556 |
| Existing and Planned Supplies | 47,043 | 43,388 | 51,652 |
| WVC | | | |
| Demand | 38,187 | 37,238 | 58,000 |
| 20/20/20 Reduction | 3,172 | 6,485 | 11,200 |
| Reduction from Recycled Water | 1,000 | 2,000 | 22,200 |
| Reduction from Water Conservation | 2,172 | 4,842 | 4,842 |
| Demand of Conservation | 31,985 | 29,291 | 51,652 |
| Existing and Planned Supplies | 45,874 | 46,508 | 55,757 |

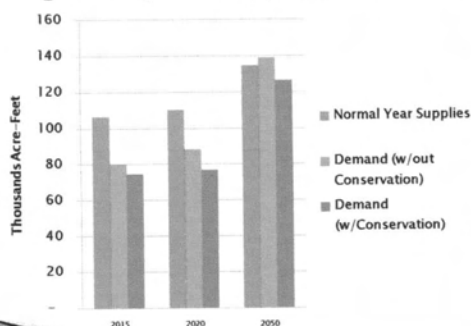
14

Normal Year Purveyor Demands



15

Normal Year - Regional Summary Existing and Projected Supplies and Demands



16

Single Dry Year Water Supply and Demand

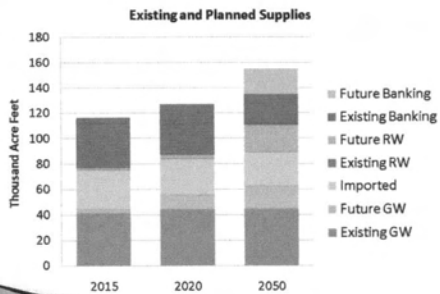
17

Single Dry Year Existing and Planned Supplies and Demands

| Water Supply Sources | 2015 | 2020 | 2050 |
|--|----------------|----------------|----------------|
| Existing Supplies | | | |
| Existing Groundwater | | | |
| — Alluvial Aquifer | 20,300 | 20,300 | 20,300 |
| — Salinas Formation | 21,225 | 24,175 | 24,150 |
| Projected Water | 375 | 300 | 225 |
| Imports Water | | | |
| — SWP Treaty A and Campover | 11,000 | 11,000 | 8,100 |
| — SWP Treaty Storage Account | 5,000 | 4,000 | 4,000 |
| — Bureau Water Reservoirs | 11,000 | 11,000 | 11,000 |
| — Nickel Water - Federal Land | 1,000 | 1,000 | 1,000 |
| Reserve Programs | | | |
| — Reservoir Flo-Brown | 20,000 | 20,000 | 20,000 |
| — Sacramento Water Bank | 15,000 | 15,000 | 15,000 |
| — Reservoir - 187 | 4,000 | 4,000 | 4,000 |
| Total Existing Supplies | 112,300 | 112,300 | 95,475 |
| Planned Supplies | | | |
| Future Groundwater | | | |
| — Alluvial Aquifer | 200 | 1,350 | 7,750 |
| — Salinas Formation | 2,815 | 9,025 | 9,850 |
| Projected Water | 925 | 2,725 | 20,475 |
| Reserve Programs | | | |
| — Bureau Water Reservoirs | 4,000 | 13,000 | 20,000 |
| Total Planned Supplies | 4,040 | 13,000 | 38,075 |
| Total Existing and Planned Supplies | 116,340 | 125,300 | 133,550 |
| Demand w/o Conservation | 88,075 | 97,325 | 102,000 |
| Conservation Requirement | | | |
| — Conservation Objective | 9,881 | 14,011 | 25,474 |
| — Reduction from Projected Water | 1,300 | 3,200 | 21,300 |
| Net Anticipated Conservation | 5,281 | 11,811 | 12,400 |
| Demand w/ Conservation | 82,794 | 85,514 | 90,600 |

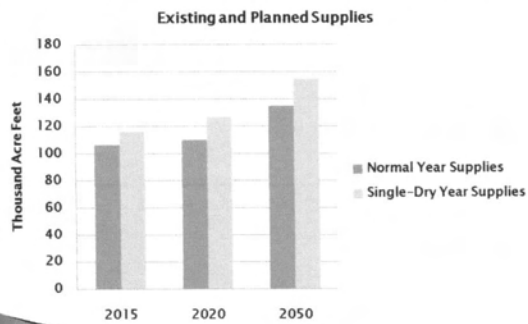
18

Single Dry Year



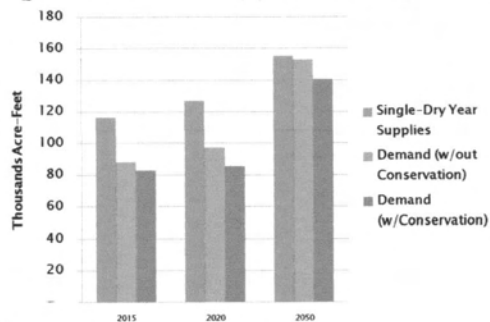
19

Normal vs. Single Dry Year



20

Single-Dry Year Existing and Planned Supplies and Demands



21

Multiple Dry Year Water Supply and Demand

22

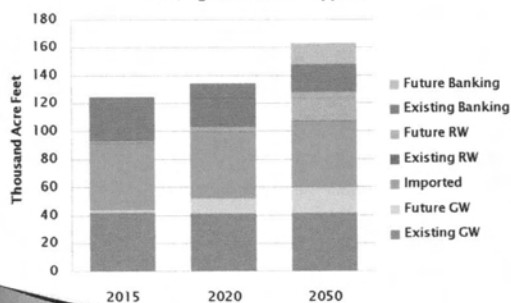
Multiple Dry Year Existing and Planned Supplies and Demands

| Water Supply Sources | | Supplies (AF) | | |
|--|--------|----------------|----------------|----------------|
| | | 2015 | 2020 | 2050 |
| Existing Supplies | | | | |
| Existing Groundwater | | | | |
| Albion Aquifer | 35,425 | 35,425 | 31,325 | |
| Shawnee Formation | 22,575 | 21,325 | 20,575 | |
| Recorded Water | 325 | 325 | 325 | |
| Imported Water | | | | |
| SWP, Tule A and Caneland | 32,800 | 32,800 | 32,800 | |
| Flexible Storage Accounts | 1,170 | 1,170 | 1,170 | |
| Delta Water-Shares | 11,800 | 11,800 | 11,800 | |
| Hotel Water - Nevada Land | 1,607 | 1,607 | 1,607 | |
| Barbara Provision | | | | |
| Doniphan, the River | 15,000 | 15,000 | 15,000 | |
| Doniphan Water Bank | 11,600 | 11,600 | | |
| Doniphan - M.F. | 4,800 | 4,800 | 4,800 | |
| Total Existing Supplies | | 121,302 | 125,302 | 108,952 |
| Planned Supplies | | | | |
| Future Groundwater | | | | |
| Albion Aquifer | | 1,000 | 7,500 | |
| Shawnee Formation | 2,500 | 10,225 | 11,075 | |
| Recorded Water | 875 | 7,725 | 20,875 | |
| Barbara Provision | | | | 15,000 |
| Total Planned Supplies | | 3,225 | 14,000 | 24,000 |
| Total Existing and Planned Supplies | | 124,527 | 139,302 | 132,952 |
| Demand w/o Conservation | | 88,888 | 97,325 | 162,888 |
| Conservation Requirement | | | | |
| Conservation Objective | 8,888 | 14,837 | 24,724 | |
| Projections from Recorded Water | 5,200 | 1,000 | 21,300 | |
| Net Hydrological Conservation | 5,388 | 11,837 | 12,424 | |
| Demand w/ Conservation | | 82,872 | 85,438 | 140,464 |

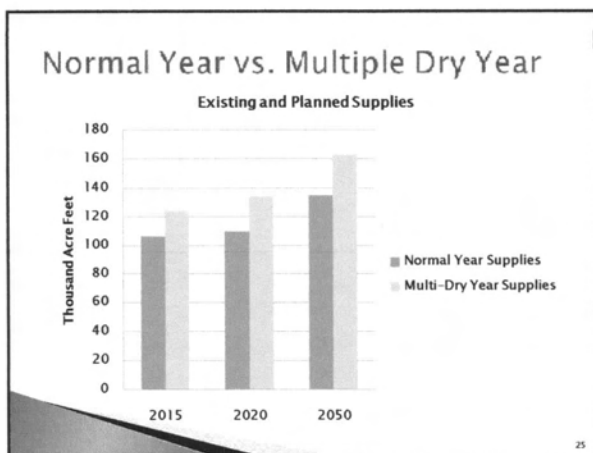
23

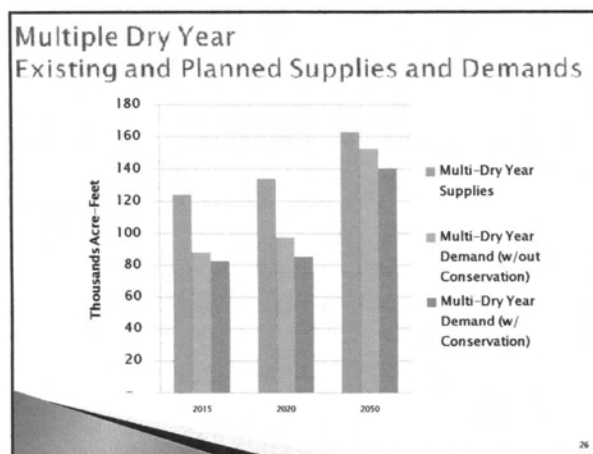
Multiple Dry Year Supplies

Existing and Planned Supplies



24





Public Hearings

- ▶ Hearings (CLWA and NCWD)
 - March 23, 2011, 6:15 pm at CLWA
 - May 4, 2011, 6:15 pm at CLWA
- ▶ Adoption
 - May or June 2011 (due to DWR within 30 days after adoption)

27

Questions and Answers



**Notification of UWMP
Draft Document Availability
Public Outreach Record**

**2010 Santa Clarita Valley
Urban Water Management Plan**



Stacy Miller
PUBLIC AFFAIRS

Creative Solutions to Complex Situations

April 11, 2010

<Address Block> - ***See Attached For Distribution List***

Subject: 2010 Urban Water Management Plan Draft Document Availability-April 15, 2011

Dear <Salutation>,

The Santa Clarita Valley water suppliers, Castaic Lake Water Agency, CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company, have spent the last 10 months working with the community to prepare the 2010 Urban Water Management Plan (UWMP). In addition to six community workshops, the water suppliers have cooperated with the City of Santa Clarita, Counties of Los Angeles and Ventura and other interested parties on the planning document.

The draft 2010 Urban Water Management Plan will be available to the public for review beginning Friday, April 15, 2011. The UWMP document can be accessed via the water suppliers' websites, by contacting your water supplier directly (contact information below), or at one of the local Santa Clarita Valley libraries. The deadline for the public to submit comments on the UWMP draft document is 5:00 p.m. on May 20, 2011. Comments can be submitted either by hand delivery, U.S. mail, email or fax to any of the water suppliers listed below.

| | |
|--|---|
| Castaic Lake Water Agency www.clwa.org 27234 Bouquet Canyon Road Santa Clarita, CA 91350 Phone 661-297-1600 / Fax: 661-297-1611 Email: mail@clwa.org | CLWA Santa Clarita Water Division www.scwater.org 26521 Summit Circle Santa Clarita, CA 91350-3049 Phone: 661-259-2737 / Fax: 661-286-4333 Email: mail@clwa.org |
| Newhall County Water District www.ncwd.org 23780 North Pine ST Newhall, CA 91321 Phone: 661-259-3610 / Fax: 661-259-3574 Email: mail@ncwd.org | Valencia Water Company www.valenciawater.com 24631 Avenue Rockefeller Valencia, CA 91355 Phone: 661-294-0828 / Fax: 661-294-3806 Email: vwcuwmp@valenciawater.com |

If you have any questions, please feel free to contact me.

Sincerely,

Stacy Miller
Public Outreach Manager
2010 SCV Urban Water Management Plan

Government Affairs, Public Relations & Communication

P.O. Box 55745, Valencia, CA 91385 [818] 402-5806 [661] 222-9733 Fax stacy@StacyMillerPA.com
www.StacyMillerPA.com

Email notification to IRWM Stakeholders
Availability of Draft Document

From: Jeff Ford [mailto:jford@clwa.org]

Sent: Monday, April 18, 2011 9:47 AM

To: Jeff Ford

Subject: Availability of the Public Review Draft of the 2010 Urban Water Management Plan for the Santa Clarita Valley

Upper SCR IRWM Stakeholders:

The Public Review Draft of the 2010 Urban Water Management Plan for the Santa Clarita Valley is available for review. The document can be found on the Castaic Lake Water Agency (CLWA) website at: http://www.clwa.org/about/pdfs/CLWA_2010UWMP_PublicReviewDraft.pdf. There will be a joint public hearing by the CLWA Board of Directors and the Newhall County Water District Board of Directors for the document on May 18, 2011 at 6:15 p.m. at CLWA, 27234 Bouquet Canyon Road, Santa Clarita, CA 91350.

Regards,

Jeff Ford

Principal Water Resources Planner

Castaic Lake Water Agency

(661) 513-1281

Valencia Water Company

Webpage posting –Link to 2010 UWMP Draft Document

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http://www.valenciawater.com

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[2010 Urban Water Management Plan - Draft Document Now Available for Review](#)

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Valencia, CA 91355

Valencia Water Company meets the water needs of homes and businesses in the northern Los Angeles County communities of Valencia, Stevenson Ranch and portions of Saugus, Newhall and Castaic. We are committed to delivering a dependable supply of safe, reliable water while providing thorough, friendly and efficient service.

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2010 Urban Water Management Plan Draft Document Availability

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The draft 2010 Urban Water Management Plan will be available to the public for review beginning Friday, April 15, 2011. The UWMP document can be accessed here, requested by [email](#), or at one of the local Santa Clarita Valley libraries.

2010 Urban Water Management Plan Draft Document

- Download file: [2010UWMPPublicReviewDraft.pdf](#), (4.7 MB)

The deadline for the public to submit comments on the UWMP draft document is 5:00 p.m. on May 20, 2011. Comments can be submitted either by hand delivery, U.S. mail, email or fax to any of the water suppliers listed below.

Castaic Lake Water Agency
www.clwa.org
27234 Bouquet Canyon Road
Santa Clarita, CA 91350
Phone 661-297-1600 / Fax: 661-297-1611
Email: mail@clwa.org

CLWA Santa Clarita Water Division
www.sclwa.org
26521 Summit Circle
Santa Clarita, CA 91350-3049
Phone: 661-259-2737 / Fax: 661-286-4333
Email: mail@clwa.org

Newhall County Water District
www.ncwd.org
23780 North Pine St
Newhall, CA 91321
Phone: 661-259-3610 / Fax: 661-259-3574
Email: mail@ncwd.org

Valencia Water Company
www.valenciawater.com
24631 Avenue Rockefeller

Castaic Lake Water Agency Webpage posting –Link to 2010 UWMP Draft Document

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Repair dripping faucets by replacing washers. One drop per second wastes 2,700 gallons of water per year!

Set sprinkler timers to water between 9 p.m. - 6 a.m. for no more than 10 minutes per station.
[Click here](#) to learn more ways to save.

WEEKLY WATER INDEX: 49

The Watering Index is a simple method of matching irrigation timers to plants water demand. Each day, a Santa Clarita Valley weather station measures the water demand of plants based on actual conditions and the index helps residents achieve optimal watering levels.

[Go here](#) to learn about setting up your watering index.

WHAT'S YOUR WATER NUMBER?
[Click Here](#)

WATER CHALLENGE

IN THE NEWS

- 2010 Urban Water Management Plan – Public Review Draft (April 2011)
[More..](#)
- Water Conservation Tip: Planning Your Spring Garden!
[More..](#)

Offices will be closed Friday 4/22.

www.clwa.org/about/pdfs/CLWA_2010UWMP_PublicReviewDraft1.pdf - Windows Internet Explorer

http://www.clwa.org/about/pdfs/CLWA_2010UWMP_PublicReviewDraft1.pdf

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2010 Urban Water Management Plan
Public Review Draft
Comments Due May 20, 2011, 5:00pm

CASTAIC LAKE WATER AGENCY
NCWD
SCWD

Prepared for:
Castaic Lake Water Agency (CLWA)
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company
(Los Angeles County Waterworks District No. 36/Cooperating Agency)

Prepared by:
Kennedy/Jenks Consultants
Nancy Clemens, P.E.
Luhdorff & Scalapinski Consulting Engineers
Stacy Miller Public Affairs

April 2011

Santa Clarita Water Division
Webpage posting –Link to 2010 UWMP Draft Document

Santa Clarita Water Division - Windows Internet Explorer


http://www.scwater.org/publications.cfm

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• Publications

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This is where new items, important notices and information on upcoming events are posted.

- [CLWA Emergency Preparedness Brochure](#)
- [2010 Urban Water Management Plan – Public Review Draft \(April 2011\)](#)
- [2010 Urban Water Management Plan Community Workshop - March 8, 2011](#)
- [2010 Urban Water Management Plan Community Workshops](#)
- [REGIONAL WATER BOARD APPROVES PERMIT REQUIRING UPGRADE OF SACRAMENTO WASTEWATER TREATMENT FACILITY](#)
- [CLWA Open House 2010](#)
May 8, 2010 9 AM - 2 PM
- [CLWA Announces New Large Landscape Program](#)
- [Addressing the Questions – The Future of the Delta](#)

As historic planning efforts for the Sacramento – San Joaquin Delta are proceeding, many local governments, wildlife agencies, environmental groups, community groups and water districts are raising important questions about the potential changes. The Delta is home to valuable fisheries, diverse wildlife, productive farms and long-time communities. Statewide, two-thirds of

www.clwa.org/about/pdfs/CLWA_2010UWMP_PublicReviewDraft11.pdf - Windows Internet Explorer

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2010 Urban Water Management Plan

Public Review Draft

Comments Due May 20, 2011, 5:00 pm

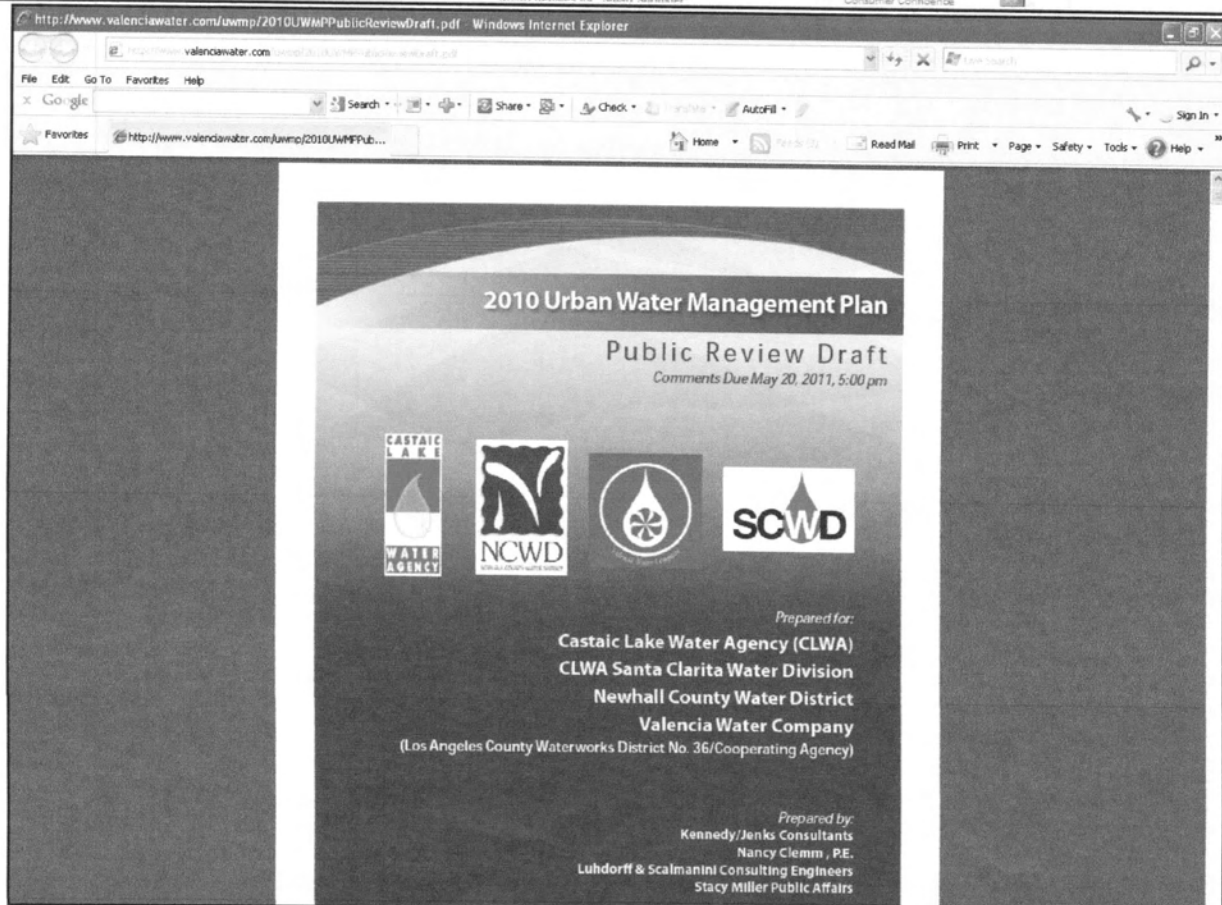
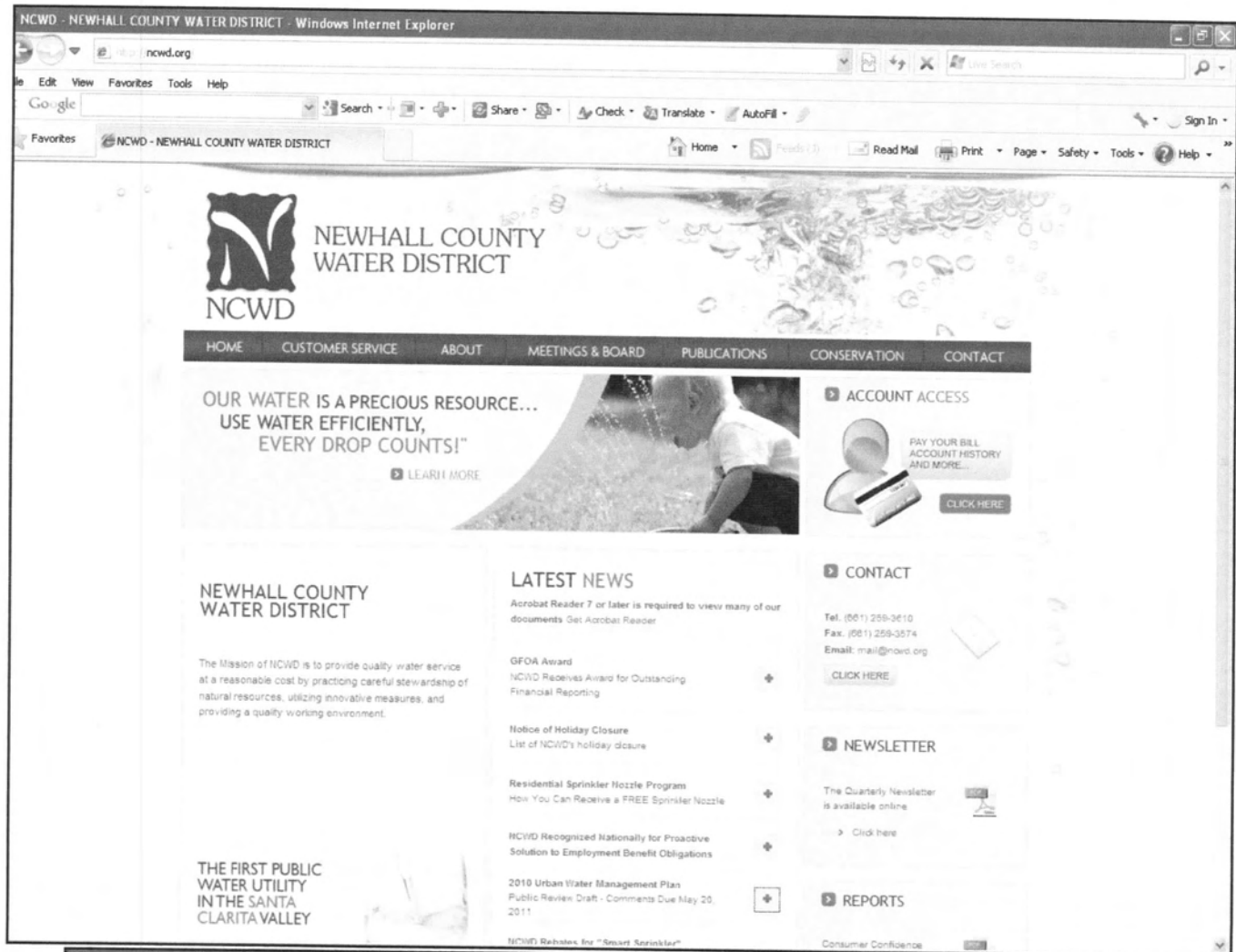


Prepared for:
Castaic Lake Water Agency (CLWA)
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company
(Los Angeles County Waterworks District No. 36/Cooperating Agency)

Prepared by:
Kennedy/Jenks Consultants
Nancy Clarno, P.E.
Lubdorff & Scalmanini Consulting Engineers
Stacy Miller Public Affairs

April 2011

Newhall County Water District
Webpage posting –Link to 2010 UWMP Draft Document



Meetings Requested & Held Regarding Draft Document Public Outreach Record

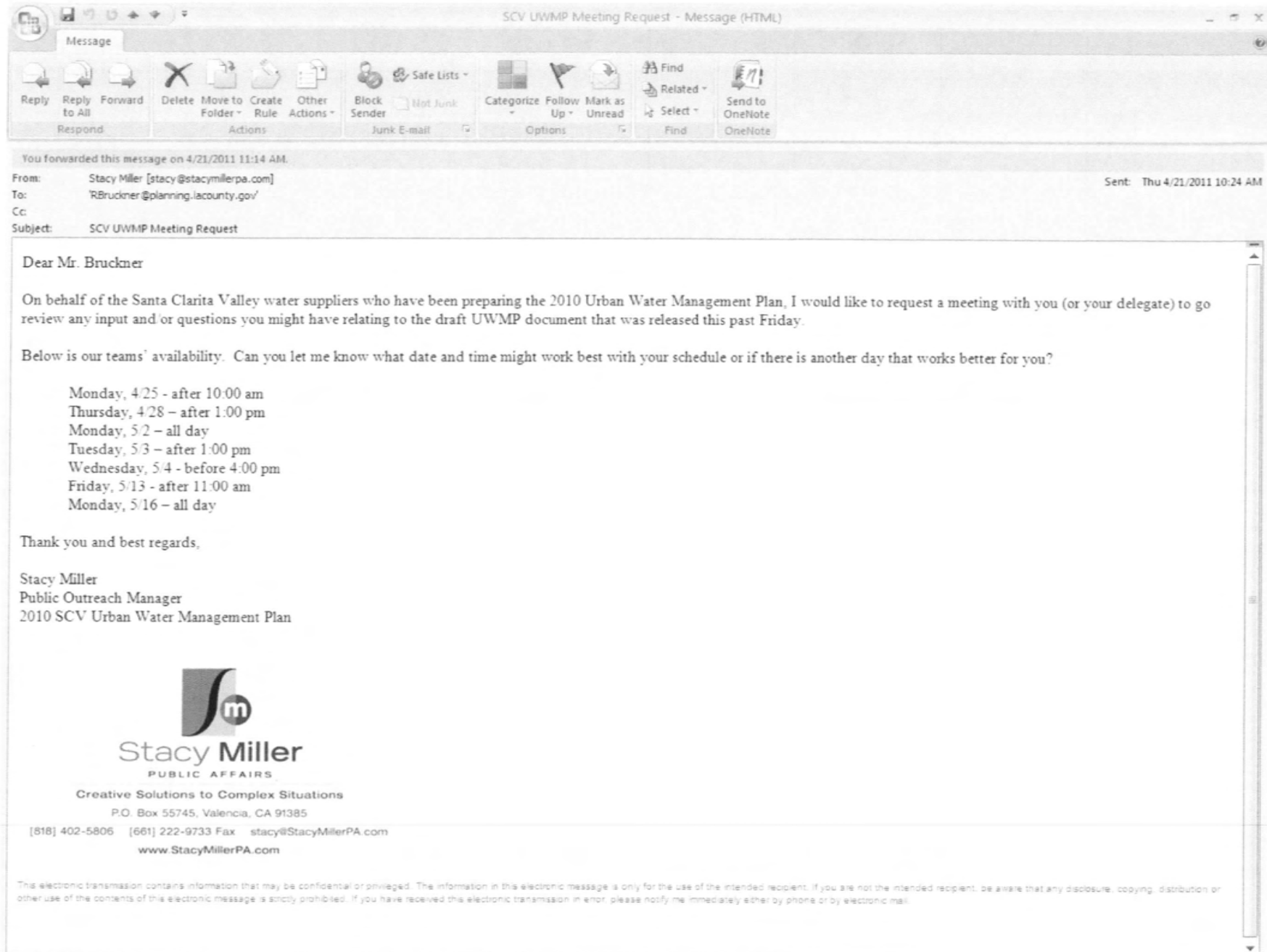
**2010 Santa Clarita Valley
Urban Water Management Plan**

Meetings Requested and Held Regarding Input on UWMP Draft Document

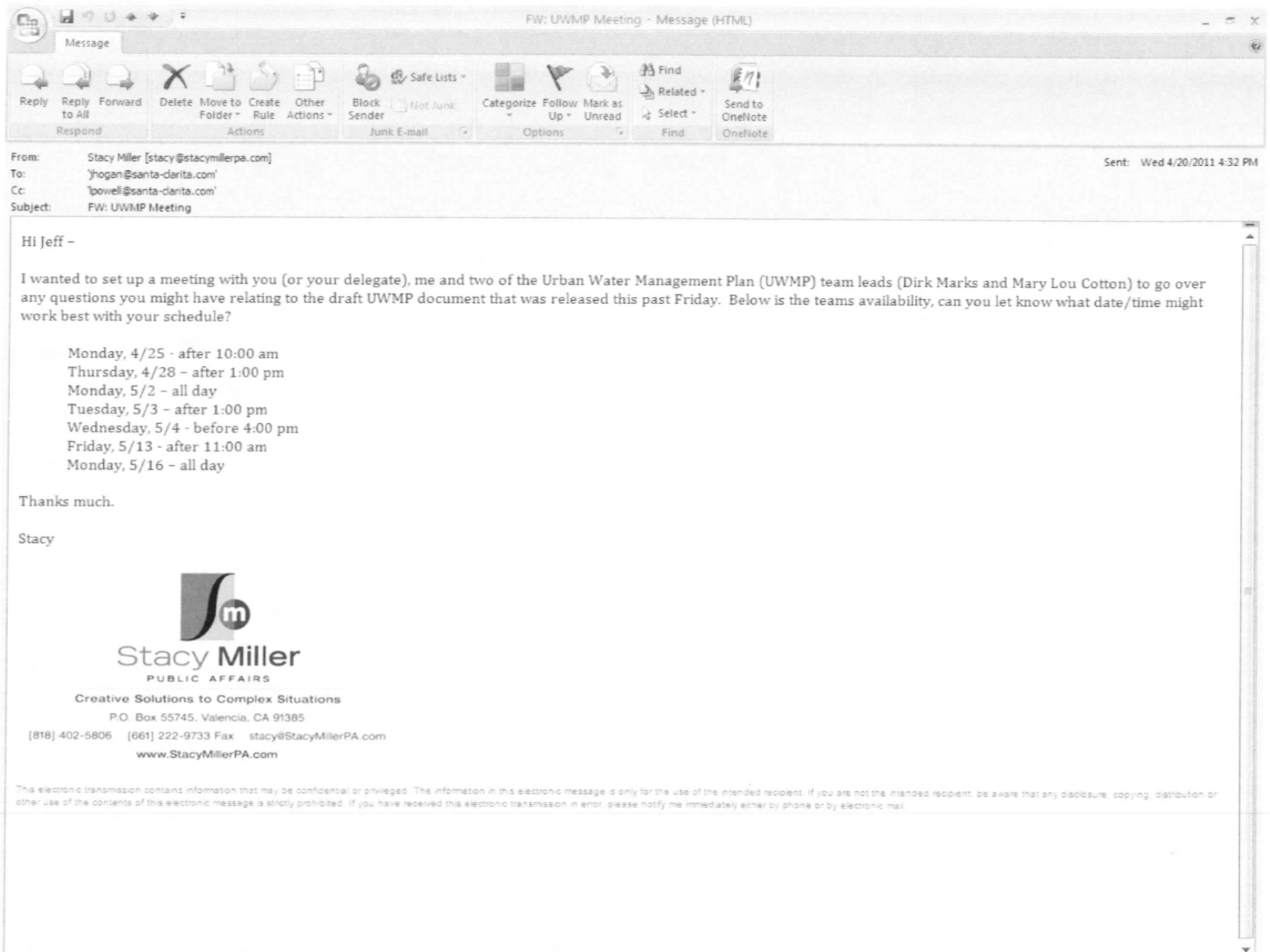
| Name | Affiliation | Date Meeting Held |
|-----------------|--|---------------------------------------|
| Mike Solomon | United Water Conservation District | May 11, 2011 |
| Mitch Glaser | LA County Planning | May 16, 2011 |
| Jeff Hogan | City of Santa Clarita Planning | May 16, 2011 |
| Rosalind Wayman | LA County Supervisor Michael Antonovich | May 16, 2011 |
| Sandy Stevens | Building Industry Association | May 13, 2011 |
| Chris Stephens | County of Ventura Resource Management Agency | Declined to meet due to busy schedule |

Emails Requesting Meetings for 2010 UWMP Draft Document Input

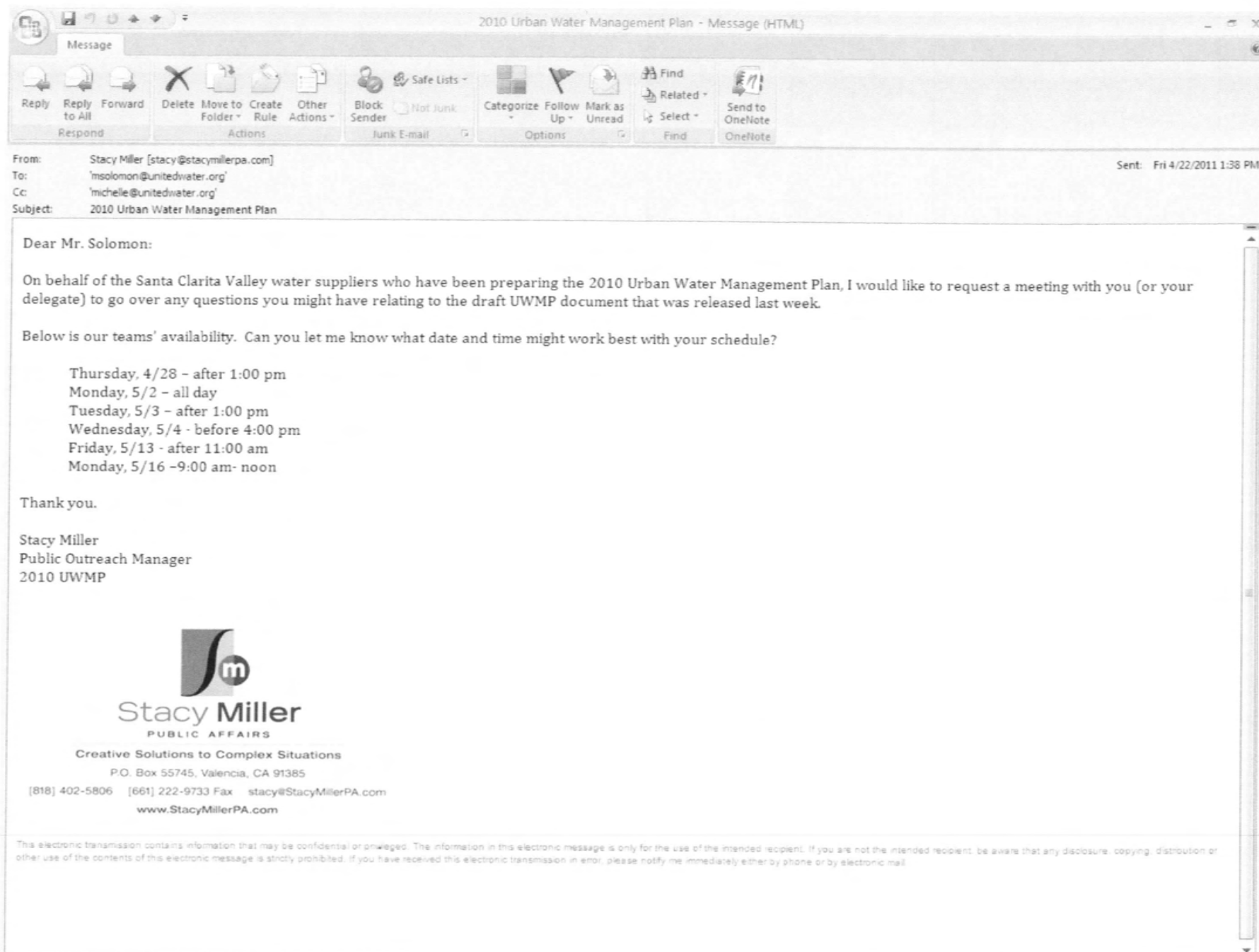
Sent to Richard Bruckner, Regional Planning LA County



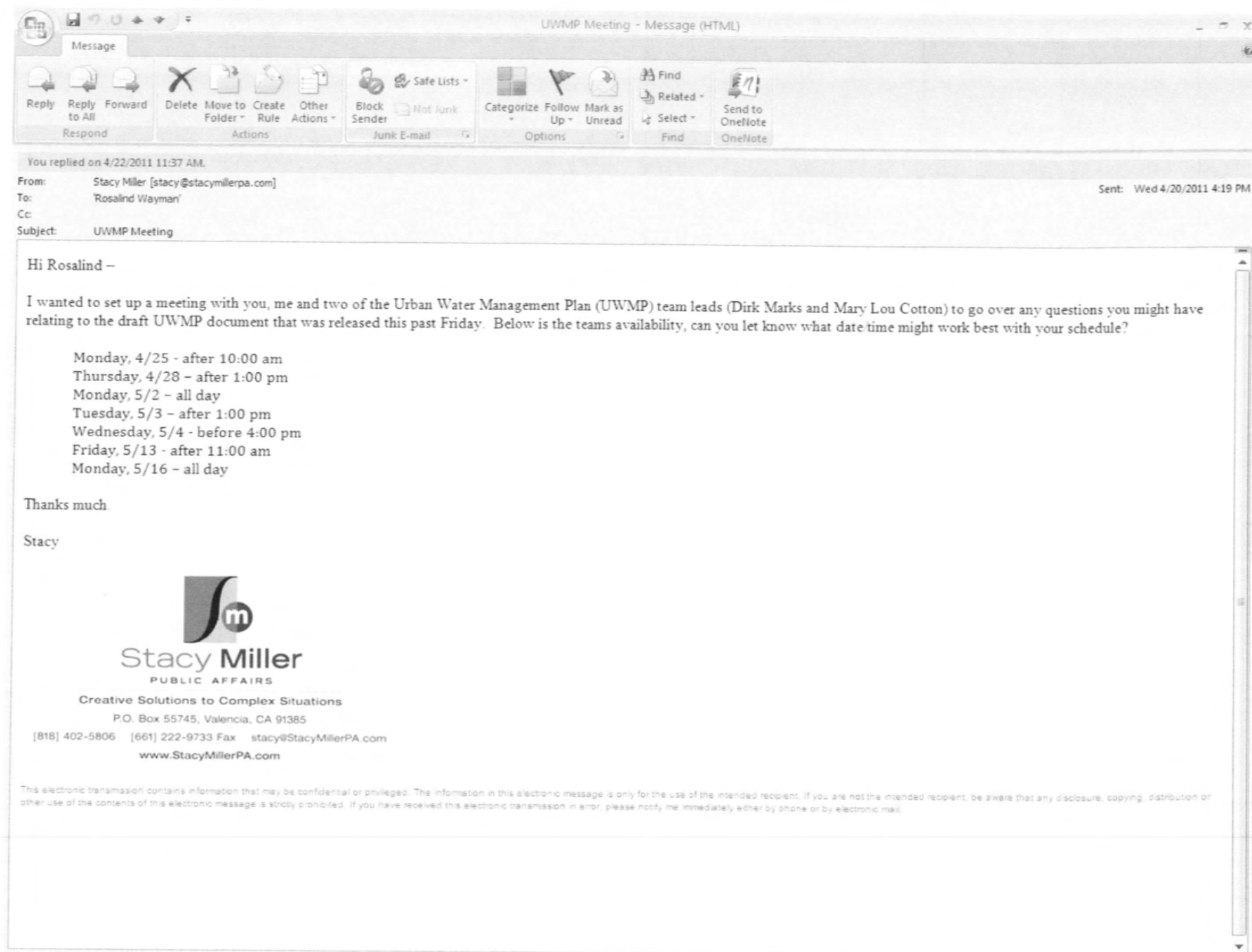
Sent to: Jeff Hogan, City of Santa Clarita



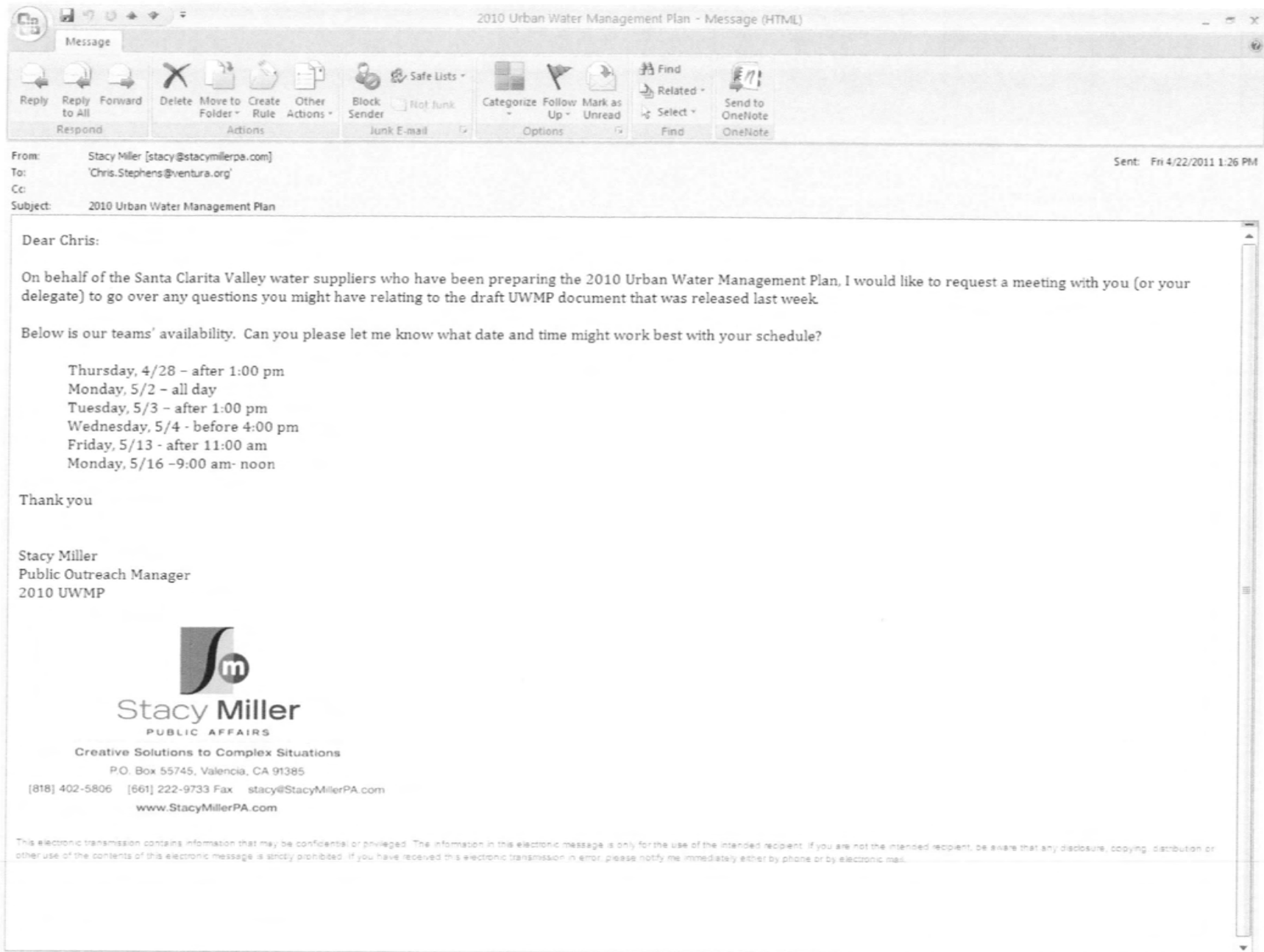
Sent to: E. Michael Solomon, United Water Conservation District



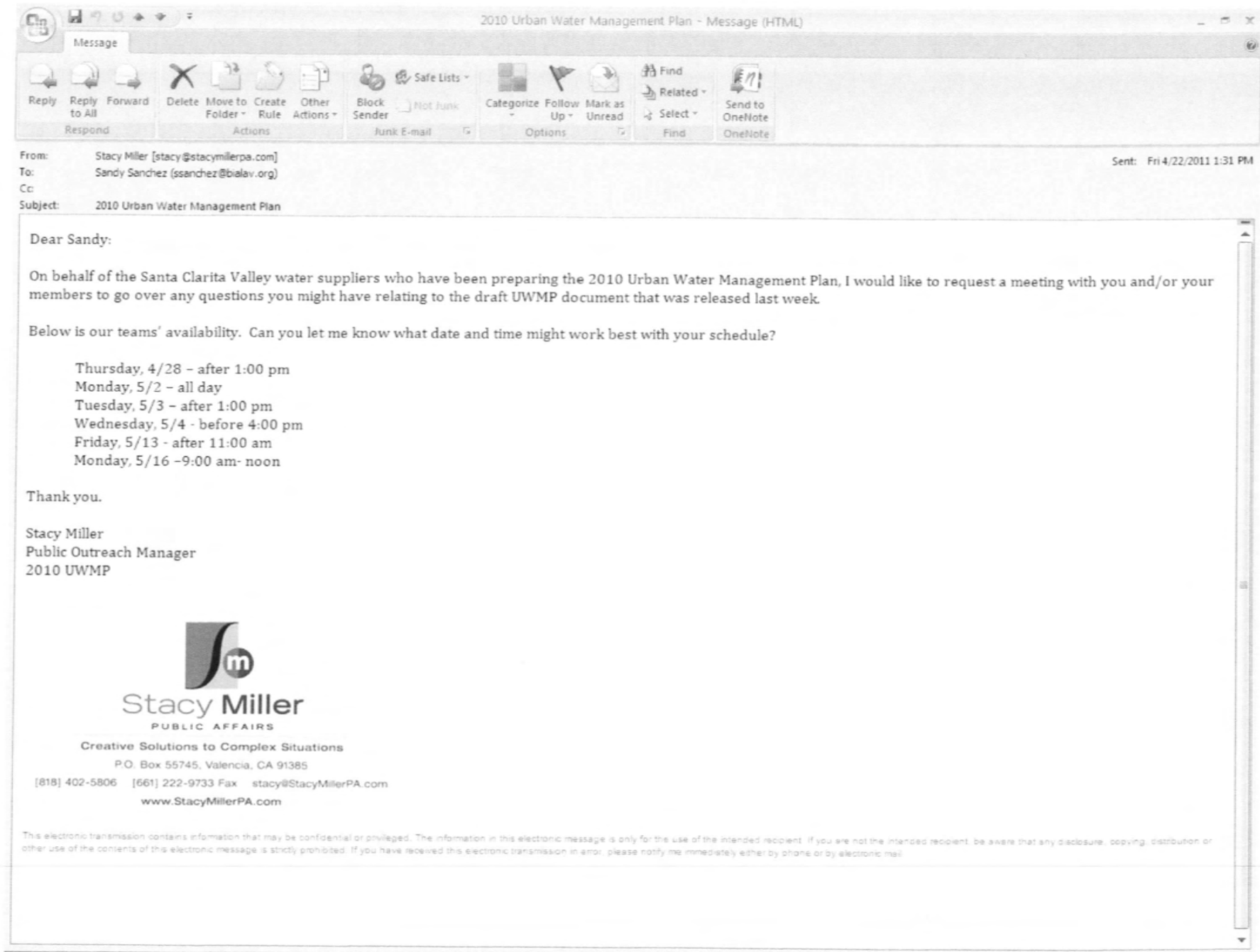
Sent to: Rosalind Wayman, Supervisor Antonovich Office



Sent to: Chris Stevens, Ventura County



Sent to: Sandy Sanchez - Building Industry Association



Extension of Comment Period Notification to Interested Parties Public Outreach Record

**2010 Santa Clarita Valley
Urban Water Management Plan**

**Emails sent regarding
Extension of UWMP comment period and notification of revised draft document and next public hearing
(See attached distribution list)**


Extension of UWMP comment period and notification of revised draft document and next public hearing - Message (HTML)

Message

Reply Reply Forward Delete Move to Create Other Block Safe Lists Follow Mark as Find Related Send to
to All to All Folder Rule Rule Sender Sender Up Unread Select OneNote
Respond Actions Actions Junk E-mail Options Find OneNote

From: Stacy Miller [stacy@stacymillerpa.com]
To: bottorffm@verizon.net
Cc:
Subject: Extension of UWMP comment period and notification of revised draft document and next public hearing

Sent: Thu 5/19/2011 5:19 PM


Stacy Miller
PUBLIC AFFAIRS
Creative Solutions to Complex Situations
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(818) 402-5806 (661) 222-9733 Fax stacy@StacyMillerPA.com
www.StacyMillerPA.com

May 19, 2011

RE: Extension of UWMP comment period and notification of revised draft document and next public hearing

Dear Interested Party:

This is to notify you that the deadline for the public to submit comments on 2010 SCV Urban Water Management Plan (UWMP) has been extended to Friday, May 27, 2011 at 5:00 pm. Comments can be submitted either by hand delivery, U.S. mail, email or fax to any of the water suppliers listed below.

| | |
|---|---|
| Castaic Lake Water Agency www.clwa.org 27234 Bouquet Canyon Road Santa Clarita, CA 91350 Phone 661-297-1600 / Fax: 661-297-1611 Email: mail@clwa.org | CLWA Santa Clarita Water Division www.scwater.org 26521 Summit Circle Santa Clarita, CA 91350-3049 Phone: 661-259-2737 / Fax: 661-286-4333 Email: mail@clwa.org |
| Newhall County Water District www.ncwd.org 23780 North Pine ST Newhall, CA 91321 Phone: 661-259-3610 / Fax: 661-259-3574 Email: mail@ncwd.org | Valencia Water Company www.valenciawater.com 24631 Avenue Rockefeller Valencia, CA 91355 Phone: 661-294-0828 / Fax: 661-294-3806 Email: vwcuwmp@valenciawater.com |

In addition, please be advised that revisions to the draft document can be viewed by [clicking here](#) or via the following link: [http://clwa.org/about/pdfs/RevisedDraftDocumentMay_2011UrbanWaterManagementPlan\(UWMP\).pdf](http://clwa.org/about/pdfs/RevisedDraftDocumentMay_2011UrbanWaterManagementPlan(UWMP).pdf)

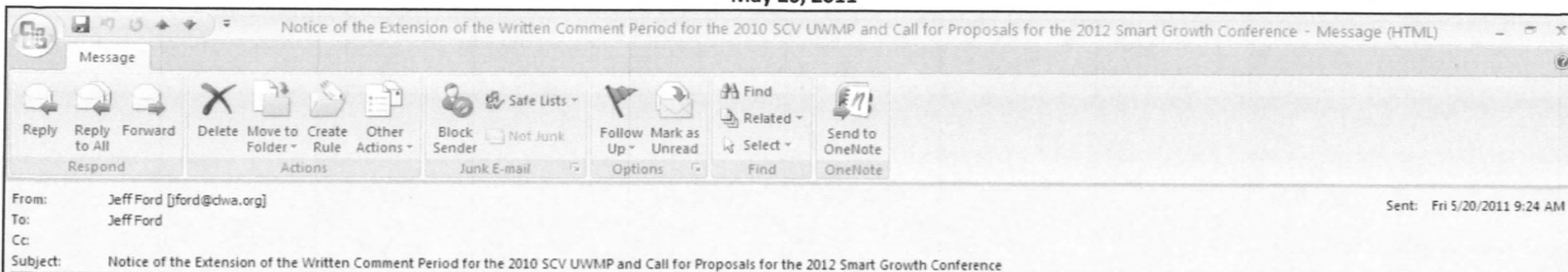
The third public hearing on the UWMP has also been scheduled and will be held on Wednesday, June 22, 2010 at 6:15 pm at the Castaic Lake Water Agency, 27234 Bouquet Canyon Road Santa Clarita, CA 91350.

If you have any questions, please feel free to contact me.

Sincerely,

Stacy Miller
Public Outreach Manager
2010 SCV Urban Water Management Plan

**Email to IRWM Stakeholder Group re: Notice of the Extension of the Written Comment Period for the 2010 SCV UWMP
May 20, 2011**



Upper SCR IRWM Stakeholder:

May 19, 2011

RE: Extension of UWMP comment period and notification of revised draft document and next public hearing

Dear Interested Party:

This is to notify you that the deadline for the public to submit comments on 2010 SCV Urban Water Management Plan (UWMP) has been extended to Friday, May 27, 2011 at 5:00 pm. Comments can be submitted either by hand delivery, U.S. mail, email or fax to any of the water suppliers listed below.

Castaic Lake Water Agency

www.clwa.org

27234 Bouquet Canyon Road

Santa Clarita, CA 91350

Phone 661-297-1600 / Fax: 661-297-1611

Email: mail@clwa.org

CLWA Santa Clarita Water Division

www.scwater.org

26521 Summit Circle

Santa Clarita, CA 91350-3049

Phone: 661-259-2737 / Fax: 661-286-4333

Email: mail@clwa.org

Newhall County Water District

www.ncwd.org

23780 North Pine ST

Newhall, CA 91321

Phone: 661-259-3610 / Fax: 661-259-3574

Email: mail@ncwd.org

Valencia Water Company

www.valenciawater.com

24631 Avenue Rockefeller

Valencia, CA 91355

Phone: 661-294-0828 / Fax: 661-294-3806

Email: vwcuwmp@valenciawater.com

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Master Email List

Extension of UWMP comment period and notification of revised draft document and next public hearing Sent May 19, 2011

| | | |
|--|---|---|
| Jarrold Degonia Assemblymember Cameron Smyth Jarrod.DeGonia@asm.ca.gov | Ernie Villegas Assemblymember Jeff Gorell Ernie.Villegas@asm.ca.gov | Kevin Korenthal Associated Builders & Contractors of CA; ABC-CCC kkorenthal@abc-ccc.org |
| Holly Schroeder BIA - Los Angeles/Ventura Chapter hschroeder@bialav.org | Sandy Sanchez BIA - Los Angeles/Ventura Chapter ssanchez@bialav.org | David Inouye CA Department of Water Resources david@water.ca.gov |
| Robert Kelly Castaic Area Town Council RobertKelly@CastaicAreaTownCouncil.org | Mike Murphy City of Santa Clarita mmurphy@santa-clarita.com | Jason Smisko City of Santa Clarita JSmisko@santa-clarita.com |
| Bruce Fortine College of the Canyons fortune@earthlink.net | Bob Haueter Congressman Howard McKeon Bob.Haueter@mail.house.gov | Chris Stephens County of Ventura Resource Management Agency Chris.Stephens@ventura.org |
| Ron Bottorff Friends of the Santa Clara River bottorffm@verizon.net | Mark Pestrella LA County Department of Public Works mpestrel@dpw.lacounty.gov | Richard Bruckner LA County Department of Regional Planning RBruckner@planning.lacounty.gov |
| Jessica Bunker LA County WWD jbunker@ladpw.org | Lynn Plambeck Santa Clarita Organization for Planning the Environment - SCOPE lynne.plambeck@scope.org | Robert Fleck Santa Clarita Valley Well Owners Association rfleck@socal.rr.com |
| Terry Kingery SCV Chamber of Commerce tkingery@scvchamber.com | Sierra Club Angeles Chapter Contact.us@angeles.sierraclub.org | Mark Butala Southern CA Association of Governments butala@scag.ca.gov |
| Jackie Bick State Senator Sharon Runner Jackie.Bick@sen.ca.gov | Scott Wilk Jr. State Senator Tony Strickland scott.wilk@sen.ca.gov | David Perry Supervisor Michael Antonovich, 5th District dperry@lacos.org |
| Rosalind Wayman Supervisor Michael Antonovich, 5th District rwayman@lacos.org | E. Michael Solomon United Water Conservation District msolomon@unitedwater.org | Kathy Norris Valley Industrial Association of Santa Clarita (VIA) kathy@via.org |
| Ron Mechsner West Ranch Town Council Rmechsner@WestRanchTownCouncil.com | Carol Lutness SCV Fair Elections Committee santaclarita-info@caclean.org | Katherine Squires Sierra Club Angeles Chapter katherine.m.squires@csun.edu |
| Dunn Residents water@dslexreme.com | Mitch Glaser LA Co Department of Regional Planning mglaser@planning.lacounty.gov | Also sent via US Mail to <ul style="list-style-type: none"> • Mr. & Mrs. Dunn • Cam Nolltemeyer • Michael A. Naoum |

UWMP – Draft Document & Extended Comment Period
Valencia Water Company
May 19, 2011


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2010 Urban Water Management Plan Draft Document


- Read the Notice of Extension of Comments: [Notice of Extension of Comments - Urban Water Management Plan \(UWMP\)](#)
- Download file: [Revised Draft Document May 2011 - Urban Water Management Plan \(UWMP\)](#), (4.5 MB)

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Castaic Lake Water Agency
www.clwa.org
27234 Bouquet Canyon Road
Santa Clarita, CA 91350
Phone 661-297-1600 / Fax: 661-297-1611
Email: mail@clwa.org

CLWA Santa Clarita Water Division
www.scwater.org
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UWMP – Draft Document & Extended Comment Period

CLWA Website

May 19, 2011

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CASTAIC LAKE WATER AGENCY

A public agency providing reliable, quality water at a reasonable cost to the Santa Clarita Valley

PUBLICATIONS

Important Notices

This is where new items, important notices and information on upcoming events are posted.

- [CLWA Emergency Preparedness Brochure](#)
- [Notice of Extension of Comments - Urban Water Management Plan \(UWMP\)](#)
- [Revised Draft Document May 2011 - Urban Water Management Plan \(UWMP\)](#)
- [California Urban Water Management Planning Act in the California Water Code](#)
Click on the link for more information.
- [2010 Urban Water Management Plan Community Workshop - March 8, 2011](#)
- [2010 Urban Water Management Plan Community Workshops](#)
- [REGIONAL WATER BOARD APPROVES PERMIT REQUIRING UPGRADE OF SACRAMENTO WASTEWATER TREATMENT FACILITY](#)
- [CLWA Open House 2010](#)
May 8, 2010 9 AM - 2 PM
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- [Addressing the Questions – The Future of the Delta](#)
As historic planning efforts for the Sacramento – San Joaquin Delta are proceeding, many local governments, wildlife agencies, environmental groups, community groups and water districts are raising important questions about the potential changes. The Delta is home to valuable fisheries, diverse wildlife, productive farms and long-time communities. Statewide, two-thirds of Californians and 3.75 million acres of farmland depend on water exported from the Delta. As water providers, the State Water Contractors and the Castaic Lake Water Agency believe it is vital to find workable approaches to all of the ecosystem, water system and community challenges in the Delta. This document represents a discussion of key questions and answers that are emerging.

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UWMP – Draft Document & Extended Comment Period
Newhall County Water District
May 19, 2011

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NCWD

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**NEWHALL COUNTY
WATER DISTRICT**

The Mission of NCWD is to provide quality water service at a reasonable cost by practicing careful stewardship of natural resources, utilizing innovative measures, and providing a quality working environment.

LATEST NEWS

Acrobat Reader 7 or later is required to view many of our documents [Get Acrobat Reader](#)

GFOA Award
NCWD Receives Award for Outstanding Financial Reporting [+](#)

2010 Urban Water Management Plan
Notice of Extension of Comments [+](#)

2010 Urban Water Management Plan
Revised Draft Document May 2011 [+](#)

CONTACT

Tel. (661) 259-3610
Fax. (661) 259-3574
Email: mail@ncwd.org

[CLICK HERE](#)

NEWSLETTER

The Quarterly Newsletter is available online 

UWMP – Draft Document & Extended Comment Period
Santa Clarita Water Division
May 19, 2011

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http://www.sowater.org/publications.cfm

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May 8, 2010 9 AM - 2 PM
- [CLWA Announces New Large Landscape Program](#)
- [Addressing the Questions - The Future of the Delta](#)
As historic planning efforts for the Sacramento - San Joaquin Delta are proceeding, many local governments, wildlife agencies, environmental groups, community groups and water districts are raising important questions about the potential changes. The Delta is home to valuable fisheries, diverse wildlife, productive farms and long-time communities. Statewide, two-thirds of Californians and 3.75 million acres of farmland depend on water exported from the Delta. As water providers, the State Water Contractors and the Castaic Lake Water Agency believe it is vital to find workable approaches to all of the ecosystem, water system and community challenges in the Delta. This document represents a discussion of key questions and answers that are emerging.
- [Integrated Regional Water Management Plan](#)
The Castaic Lake Water Agency, along with numerous other agencies and organizations, is cooperatively preparing an Integrated Regional Water Management Plan for the protection of resources in the Upper Santa Clara River Watershed

**Second Public Hearing
May 18, 2011
Public Outreach Record**

**2010 Santa Clarita Valley
Urban Water Management Plan**

April 11, 2011

Richard J. Bruckner, Director
Los Angeles County
Department of Regional Planning
1390 Hall of Records
320 West Temple Street
Los Angeles, CA 90012

*See attached
for mailing list*

Subject: Revised Notification of Public Hearings for the 2010 Santa Clarita Valley
Urban Water Management Plan

Dear Mr. Bruckner:

In a March 3, 2011, letter (attached) we notified you of the upcoming Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan. As noted in the letter, the first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 pm has been rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The public hearing on May 18, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

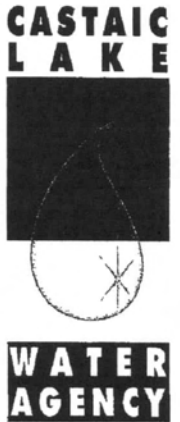
For additional information regarding the public hearings, please contact me at (661) 297-1600.

Sincerely,



Dirk Marks,
Water Resources Manager

Attachment



BOARD OF DIRECTORS
PRESIDENT
THOMAS P. CAMPBELL

VICE PRESIDENT
WILLIAM C. COOPER

E.G. "JERRY" GLADBACH
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"A PUBLIC AGENCY PROVIDING RELIABLE, QUALITY WATER AT A REASONABLE COST TO THE SANTA CLARITA VALLEY"

27234 BOUQUET CANYON ROAD • SANTA CLARITA, CALIFORNIA 91350-2173 • 661 297-1600 FAX 661 297-1611
website address: www.clwa.org

Mailing List for May 18, 2011 Hearing Notification

| | |
|--|---|
| Rosalind Wayman, Field Deputy Los Angeles County Fifth Supervisorial District 23920 Valencia Blvd., Suite 265 Santa Clarita, CA 91355 | Jessica Bunker, P.E. Waterworks Division P.O. Box 1460 Alhambra, CA 91802-1460 |
| Jeff W. Hogan, AICP Interim Planning Manager City of Santa Clarita Planning Division 23920 Valencia Blvd., Suite 300 Santa Clarita, CA 91355 | Mike Murphy Intergovernmental Relations Officer City of Santa Clarita 23920 Valencia Blvd., Suite 300 Santa Clarita, CA 91355 |
| Chris Stevens, Director Resource Management Agency County of Ventura 800 South Victoria Avenue Ventura, CA 93009-1740 | Richard J. Bruckner, Director LA County Dept. Regional Planning Los Angeles County 1390 Hall of Records 320 West Temple Street Los Angeles 90012 |
| Mark Pestrella LA County Dept. Public Works Los Angeles County P.O. Box 1460 Alhambra 91802-1460 | |

THE SIGNAL NEWSPAPER

24000 Creekside Rd
Valencia, Ca 91355

Proof of Publication

(2015.5 C.C.P.)

STATE OF CALIFORNIA,
COUNTY OF LOS ANGELES

I am a citizen of the United States, and a resident of the county aforesaid; I am over the age of eighteen years; and I am not a party to or interested in the notice published. I am the chief legal advertising clerk of the publisher of the

SIGNAL NEWSPAPER

a newspaper of general circulation, printed and published **Daily** in the city of Santa Clarita County of Los Angeles, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Los Angeles State of California, under the date of **March 25, 1988**

Case number **NVC15880**, that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

4/14, 4/21, 4/28, 5/5,

All in the year 20 11 5/12

I certify (or declare) under penalty of perjury that the foregoing is true and correct

Dated at Valencia, California, this

12th day of May, 20 11

Signature

**NOTICE OF
PUBLIC HEARING
2010 URBAN WATER
MANAGEMENT PLAN**

Castaic Lake Water Agency ("CLWA"), CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company have directed the preparation of a joint regional 2010 Urban Water Management Plan ("UWMP") for the Santa Clarita Valley, as encouraged by the Urban Water Management Planning Act ("Act"). Los Angeles County Waterworks District No. 36 is participating in the process on an ad hoc basis. Adoption of the 2010 UWMP is required under the Act by July 1, 2011.

While the Act only requires that an urban water supplier hold one public hearing before adopting a plan, in order to ensure sufficient opportunity for public feedback, input and suggestions concerning the 2010 UWMP, two public hearings were scheduled. Additional hearings may be scheduled if needed.

The first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 pm has been rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The public hearing on May 18, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet

Canyon Road, Santa Clarita, California 91350.

For additional information regarding the public hearings, please contact Dirk Marks, CLWA Water Resources Manager, at (661) 297-1600.

The Signal 4/14, 4/21, 4/28, 5/5 & 5/12 2011

UWMP –May Hearing Notice

NCWD Website

NCWD - NEWHALL COUNTY WATER DISTRICT - Windows Internet Explorer

http://ncwd.org/meetings.htm

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NEWHALL COUNTY WATER DISTRICT NCWD

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MEETINGS & BOARD / MEETINGS AND AGENDAS

The Directors meet in regular session at 6:30 PM on the second Thursday of the month, unless noticed otherwise. Meetings are held in the District Office Boardroom at 23780 North Pine Street, Santa Clarita [map](#)

Acrobat Reader 7 or later is required to view many of our documents. Get [Acrobat Reader](#)

| DATE | TIME | AGENDA | MINUTES |
|-------------|---------|---|----------------------------|
| July 5, 11 | 2:30 PM | S.C.V. Water Committee Meeting | n/a |
| June 22, 11 | 6:15 PM | Joint Special Board Meeting | Pending Approval |
| June 9, 11 | 6:30 PM | Regular Board Meeting | Pending Approval |
| May 19, 11 | 6:30 PM | Regular Board Meeting | Click Here |
| May 18, 11 | 6:15 PM | Joint Special Board Meeting | Click Here |
| May 5, 11 | 6:00 PM | Finance Committee Meeting | Click Here |
| Apr 28, 11 | 6:00 PM | Engineering Committee Meeting | Click Here |
| Apr 19, 11 | n/a | Notice of Cancellation of Engineering Committee Meeting | n/a |

ACCOUNT ACCESS

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http://ncwd.org/0B/Agendas/Joint-meeting-May18-2011.pdf - Windows Internet Explorer

http://ncwd.org/0B/Agendas/Joint-meeting-May18-2011.pdf

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**NOTICE AND AGENDA OF
SPECIAL MEETING OF
THE BOARD OF DIRECTORS OF
NEWHALL COUNTY WATER DISTRICT**

The Board of Directors of NEWHALL COUNTY WATER DISTRICT will hold a Special Meeting on Wednesday, May 18, 2011 at 6:15 p.m.

This will be a concurrent meeting with the Board of Directors of the Castaic Lake Water Agency. The meeting will be held at Castaic Lake Water Agency located at 27234 Bouquet Canyon Road, Santa Clarita, CA 91350-2173.

NOTE: To comply with the Americans with Disabilities Act, if you require special accommodations, please notify Eunie Kang at our district office at (661) 259-3610 before the meeting.

A. ROLL CALL





B. PUBLIC MATTERS

1. Public Comment on Non-Agenda Item

Members of the public shall have an opportunity to comment on any matter within the jurisdiction of the District, which is not on the agenda. Reasonable time limits may be imposed on topics and/or speakers in accordance with District policy. Members of the public will be requested to fill out a speaker card and will be called upon in the order received.

**Santa Clarita Valley
Urban Water Management Plan**

Public Hearing
May 18, 2011
Castaic Lake Water Agency



Agenda

- › Open public hearing
- › Review of public input process and public comment period
- › Public comment
- › Board questions and answers
- › Description of UWMP document finalization process
- › Next steps

Past Workshops

- › May 2010
 - › UWMP purposed and process - What, Who, Why and When
 - › Existing and new requirements of UWMPs
- › July 2010
 - › SBX7-7 Requirements
 - › Recycled Water
 - › Groundwater Supplies
 - › State Water Project Reliability
- › November 2010 (with the IRWMP Stakeholders)
 - › UWMP purposed and process - What, Who, Why and When
 - › Required under SBX7-7
 - › Importance of UWMP to IRWMP process and vice versa

Past Workshops (continued)

- › November 2010
 - › GPCD population assumptions and calculations
 - › SBX7-7
 - › Targets by retailer
- › January 2011
 - › Overview of water supplies
 - › SWP reliability update
 - › CLWA reliability planning update
 - › SBX7-7 ("20x2020") calculations and targets
 - › Overview of water supplies and demand
- › March 2011
 - › Water Supply and Demands

Public Hearing and Draft Document

- › 1st public hearing March 23, 2011
- › Draft document made available April 15, 2011
- › Comment period through May 20, 2011

Comment Letters Received

- › Friends of the Santa Clara River
- › Santa Clarita resident and Valencia Water ratepayer
- › Santa Clarita Valley Fair Elections Committee
- › Sierra Club
- › Mr. and Mrs. Dunn
- › Mr. Naoum

Broad Categories of Comments Received

- › Groundwater overdraft
- › Water banking programs
- › State Water Project reliability
- › Water conservation accounting
- › Chlorides (TMDL/AWRM)
- › Perchlorate
- › Organic compounds

Santa Clarita Valley Urban Water Management Plan

Public Comment Period



Santa Clarita Valley Urban Water Management Plan

Directors' Question and Answer Period

- a) Overall/general UWMP comments
- b) Demands, Supplies (SWP and GW), Reliability
- c) Recycled water (Lynn Takaichi)
- d) Water quality (Lynn Takaichi)
- e) Water conservation
- f) Contingency planning



Water Quality and Recycled Water

› Lynn Takaichi – Kennedy/Jenks Consultants

Water Quality

- › Imported Water Quality
 - Chloride TMDL
 - Alternative Water Resources Management Program (AWRM)
 - SWP Water Quality Modeling
- › Groundwater Quality
 - Perchlorate treatment and restoration

Water Quality (continued)

- › Imported Water Quality
 - Chloride TMDL (2005) – 100 mg/L from Saugus/Valencia WRPs
- › Alternative Water Resources Management Program (AWRM) (2008)
 - Established conditional site specific objectives for chloride;
 - Provides water quality and water supply benefits, and protects biological resources;
 - SWP Water Quality Modeling

Water Quality Perchlorate

| Year Perchlorate Detected | Purveyor Well | Groundwater Aquifer | Status |
|---------------------------------|------------------------|------------------------|---|
| 1997 | SCWD Saugus 1 | Saugus | DPH approved well return to service in January 2011; well in active service utilizing approved perchlorate treatment |
| 1997 | SCWD Saugus 2 | Saugus | DPH approved well return to service in January 2011; well in active service utilizing approved perchlorate treatment |
| 1997 | VWC's Well 157 | Saugus | Sealed and capacity replaced by new well. |
| 1997 | NCWD Well 11 | Saugus | Out of service |
| 2002 | SCWD's Stadium Well | Alluvium | Sealed and capacity replaced by new well. |
| 2005 | VWC's Well Q2 | Alluvium | DPH approved perchlorate treatment removal in 2007; treatment was installed in 2005 and relocated for potential future use; well remains in service |
| 2006 | NCWD's Well NC-13 | Saugus | DPH approved annual monitoring, results have always been below the detection limit for reporting; well remains in service |

* Rapid Response Fund provides \$10M in reimbursement funds to CLWA as fall-safe

Water Quality

- › SCV water supplies meet all EPA and State water quality requirements
- › Water quality does not currently affect the reliability of supplies

Recycled Water

- › Based on 2002 Recycled Water Master Plan and 2006 Programmatic EIR
 - Modified Phasing and Pipeline Alignments
 - Both Valencia WRP and Saugus WRP Utilized
 - Potential Onsite RW Production
- › Current production = 400± AFY
- › Ultimate production = 17,400 AFY, plus 5,400 AFY from Newhall Ranch WRP
- › Will help the SCV meet 20x2020 goals

Recycled Water (continued)

Recycled Water Master Plan

2010 Demand (325± AFY)

Phase 1 - 1,700 AFY (already built)

Phase 2A - 500 AFY ~ \$28 million

Phase 2C - 900 AFY ~ \$11 million

2020 Demand (3,000 AFY)

Santa Clarita Valley Urban Water Management Plan

Directors' Question and Answer Period

- a) Overall/general UWMP comments
- b) Demands, Supplies (SWP and GW), Reliability
- c) Recycled water
- d) Water quality
- e) Water conservation
- f) Contingency planning



Santa Clarita Valley Urban Water Management Plan

Next Steps



**Third & Final Public Hearing
June 22, 2011
Public Outreach Record**

**2010 Santa Clarita Valley
Urban Water Management Plan**

June 8, 2011

Richard J. Bruckner, Director
LA County Dept. Regional Planning
Los Angeles County
1390 Hall of Records
320 West Temple Street
Los Angeles 90012



Subject: Revised Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Bruckner,

In a March 3, 2011, letter we notified you of the upcoming Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan. As noted in the letter, the first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 p.m. was rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The third public hearing has been scheduled on June 22, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

For additional information regarding the public hearings, please contact me at (661) 297-1600.

Sincerely,

A handwritten signature in black ink that reads "Dirk Marks".

Dirk Marks,
Water Resources Manager

BOARD OF DIRECTOR

PRESIDENT
THOMAS P. CAMPBELL

VICE PRESIDENT
WILLIAM C. COOPER

E.G. "JERRY" GLADBACH

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GENERAL MANAGER
DAN MASNADA

GENERAL COUNSEL
McCORMICK, KIDMAN &
BEHRENS, LLP

SECRETARY
APRIL JACOBS

June 8, 2011

Mark Pestrella
LA County Dept. Public Works
Los Angeles County
P.O. Box 1460
Alhambra 91802-1460



Subject: Revised Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Pestrella,

In a March 3, 2011, letter we notified you of the upcoming Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan. As noted in the letter, the first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 p.m. was rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The third public hearing has been scheduled on June 22, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

For additional information regarding the public hearings, please contact me at (661) 297-1600.

Sincerely,

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Dirk Marks,
Water Resources Manager

BOARD OF DIRECTOR

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THOMAS P. CAMPBELL

VICE PRESIDENT

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GENERAL MANAGER

DAN MASNADA

GENERAL COUNSEL

McCORMICK, KIDMAN &
BEHRENS, LLP

SECRETARY

APRIL JACOBS

June 8, 2011

Chris Stevens, Director
Resource Management Agency
County of Ventura
800 South Victoria Avenue
Ventura, CA 93009-1740



Subject: Revised Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Stevens,

In a March 3, 2011, letter we notified you of the upcoming Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan. As noted in the letter, the first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 p.m. was rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The third public hearing has been scheduled on June 22, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

For additional information regarding the public hearings, please contact me at (661) 297-1600.

Sincerely,

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Dirk Marks,
Water Resources Manager

BOARD OF DIRECTOR

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THOMAS P. CAMPBELL

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GENERAL COUNSEL

McCORMICK, KIDMAN &
BEHRENS, LLP

SECRETARY

APRIL JACOBS

June 8, 2011

Jason Smisko
Senior Planner
City of Santa Clarita Planning Division
23920 Valencia Blvd., Suite 300
Santa Clarita, CA 91355



Subject: Revised Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Smisko,

In a March 3, 2011, letter we notified you of the upcoming Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan. As noted in the letter, the first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 p.m. was rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The third public hearing has been scheduled on June 22, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

For additional information regarding the public hearings, please contact me at (661) 297-1600.

Sincerely,

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Dirk Marks,
Water Resources Manager

BOARD OF DIRECTOR

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GENERAL COUNSEL

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SECRETARY

APRIL JACOBS

June 8, 2011

Mike Murphy
Intergovernmental Relations Officer
City of Santa Clarita
23920 Valencia Blvd., Suite 300
Santa Clarita, CA 91355



Subject: Revised Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Murphy,

In a March 3, 2011, letter we notified you of the upcoming Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan. As noted in the letter, the first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 p.m. was rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The third public hearing has been scheduled on June 22, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

For additional information regarding the public hearings, please contact me at (661) 297-1600.

Sincerely,

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Dirk Marks,
Water Resources Manager

BOARD OF DIRECTOR

PRESIDENT

THOMAS P. CAMPBELL

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DAN MASNADA

GENERAL COUNSEL

McCORMICK, KIDMAN &
BEHRENS, LLP

SECRETARY

APRIL JACOBS

June 8, 2011

Jeff W. Hogan, AICP
Interim Planning Manager
City of Santa Clarita Planning Division
23920 Valencia Blvd., Suite 300
Santa Clarita, CA 91355



Subject: Revised Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Hogan,

In a March 3, 2011, letter we notified you of the upcoming Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan. As noted in the letter, the first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 p.m. was rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The third public hearing has been scheduled on June 22, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

For additional information regarding the public hearings, please contact me at (661) 297-1600.

Sincerely,

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Dirk Marks,
Water Resources Manager

BOARD OF DIRECTOR

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GENERAL COUNSEL

McCORMICK, KIDMAN &
BEHRENS, LLP

SECRETARY

APRIL JACOBS

June 8, 2011

Jessica Bunker, P.E.
Waterworks Division
P.O. Box 1460
Alhambra, CA 91802-1460

Subject: Revised Notification of Public Hearings for the 2010 Santa Clarita Valley
Urban Water Management Plan

Dear Ms. Bunker,

In a March 3, 2011, letter we notified you of the upcoming Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan. As noted in the letter, the first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 p.m. was rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The third public hearing has been scheduled on June 22, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

For additional information regarding the public hearings, please contact me at (661) 297-1600.

Sincerely,



Dirk Marks,
Water Resources Manager



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DAN MASNADA

GENERAL COUNSEL

McCORMICK, KIDMAN &
BEHRENS, LLP

SECRETARY

APRIL JACOBS

June 8, 2011

Rosalind Wayman, Field Deputy
Los Angeles County
Fifth Supervisorial District
23920 Valencia Blvd., Suite 265
Santa Clarita, CA 91355



Subject: Revised Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Ms. Wayman,

In a March 3, 2011, letter we notified you of the upcoming Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan. As noted in the letter, the first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 p.m. was rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The third public hearing has been scheduled on June 22, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

For additional information regarding the public hearings, please contact me at (661) 297-1600.

Sincerely,

A handwritten signature in black ink that reads "Dirk Marks".

Dirk Marks,
Water Resources Manager

BOARD OF DIRECTOR

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SECRETARY

APRIL JACOBS

THE SIGNAL NEWSPAPER

24000 Creekside Rd

Valencia, Ca 91355

Proof of Publication

(2015.5 C.C.P.)

STATE OF CALIFORNIA,
COUNTY OF LOS ANGELES

I am a citizen of the United States, and a resident of the county aforesaid; I am over the age of eighteen years; and I am not a party to or interested in the notice published. I am the chief legal advertising clerk of the publisher of the

SIGNAL NEWSPAPER

a newspaper of general circulation, printed and published **Daily** in the city of Santa Clarita County of Los Angeles, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Los Angeles State of California, under the date of **March 25, 1988**

Case number **NVC15880**, that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

5/26, 6/2, 6/9, 6/16

All in the year 20 11

I certify (or declare) under penalty of perjury that the foregoing is true and correct

Dated at Valencia, California, this

16th day of June, 20 11

Signature



**NOTICE OF THIRD
PUBLIC HEARING
2010 URBAN WATER
MANAGEMENT PLAN**

Castaic Lake Water Agency ("CLWA"), CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company have directed the preparation of a joint regional 2010 Urban Water Management Plan ("UWMP") for the Santa Clarita Valley, as encouraged by the Urban Water Management Planning Act ("Act"). Los Angeles County Waterworks District No. 36 is participating in the process on an ad hoc basis. Adoption of the 2010 UWMP is required under the Act by July 1, 2011.

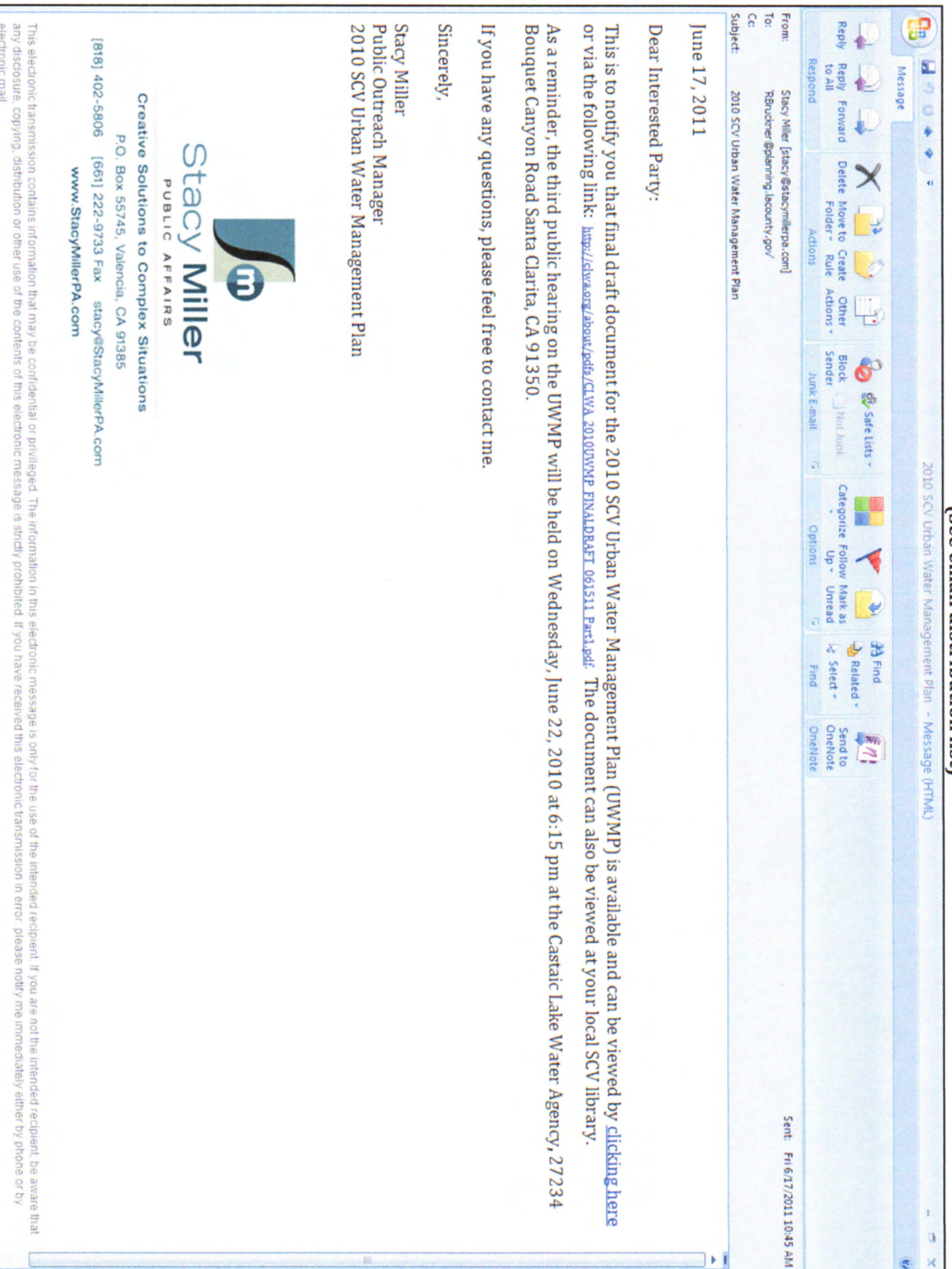
While the Act only requires that an urban water supplier hold one public hearing before adopting a plan, in order to ensure sufficient opportunity for public feedback, input and suggestions concerning the 2010 UWMP, a third public hearing has been scheduled.

The first public hearing was held on March 23, 2011 and the second on May 18, 2011. The third hearing will be held at 6:15 p.m. on Wednesday, June 22, 2011 and will take place at the CLWA Boardroom, located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

For additional information regarding the public hearings, please contact Dirk Marks, CLWA Water Resources Manager, at (661) 297-1600.

The Signal 5/26, 6/2 & 6/9 & 6/16 2011

**Emails sent regarding
Final Draft Document Availability & 3rd Public Hearing Reminder
(See email distribution list)**



Master Email List

Extension of UWMP comment period and notification of revised draft document and next public hearing Sent June 17, 2011

| | | |
|---|---|--|
| Jarrold Degonia Assemblymember Cameron Smyth Jarrod.DeGonia@asm.ca.gov | Ernie Villegas Assemblymember Jeff Gorell Ernie.Villegas@asm.ca.gov | Kevin Korenthal Associated Builders & Contractors of CA; ABC-CCC kkorenthal@abc-ccc.org |
| Holly Schroeder BIA - Los Angeles/Ventura Chapter hschroeder@bialav.org | Sandy Sanchez BIA - Los Angeles/Ventura Chapter ssanchez@bialav.org | David Inouye CA Department of Water Resources david@water.ca.gov |
| Robert Kelly Castaic Area Town Council RobertKelly@CastaicAreaTownCouncil.org | Mike Murphy City of Santa Clarita mmurphy@santa-clarita.com | Jason Smisko City of Santa Clarita JSmisko@santa-clarita.com |
| Bruce Fortine College of the Canyons fortine@earthlink.net | Bob Haueter Congressman Howard McKeon Bob.Haueter@mail.house.gov | Chris Stephens County of Ventura Resource Management Agency Chris.Stephens@ventura.org |
| Ron Bottorff Friends of the Santa Clara River bottorffm@verizon.net | Mark Pestrella LA County Department of Public Works mpestrel@dpw.lacounty.gov | Richard Bruckner LA County Department of Regional Planning RBruckner@planning.lacounty.gov |
| Jessica Bunker LA County WWD jbunker@ladpw.org | Lynn Plambeck Santa Clarita Organization for Planning the Environment - SCOPE lynne.plambeck@scope.org | Robert Fleck Santa Clarita Valley Well Owners Association rfleck@socal.rr.com |
| Terry Kingery SCV Chamber of Commerce tkingery@scvchamber.com | Sierra Club Angeles Chapter Contact.us@angeles.sierraclub.org | Mark Butala Southern CA Association of Governments butala@scag.ca.gov |
| Jackie Bick State Senator Sharon Runner Jackie.Bick@sen.ca.gov | Scott Wilk Jr. State Senator Tony Strickland scott.wilk@sen.ca.gov | David Perry Supervisor Michael Antonovich, 5th District dperry@lacbos.org |
| Rosalind Wayman Supervisor Michael Antonovich, 5th District rwayman@lacbos.org | E. Michael Solomon United Water Conservation District msolomon@unitedwater.org | Kathy Norris Valley Industrial Association of Santa Clarita (VIA) kathy@via.org |
| Ron Mechsner West Ranch Town Council Rmechsner@WestRanchTownCouncil.com | Carol Lutness SCV Fair Elections Committee santaclarita-info@caclean.org | Katherine Squires Sierra Club Angeles Chapter katherine.m.squires@csun.edu |
| Dunn Residents water@dslexreme.com | Mitch Glaser LA Co Department of Regional Planning mglaser@planning.lacounty.gov | Also sent via US Mail to <ul style="list-style-type: none"> • Mr. & Mrs. Dunn • Cam Nolltemeyer • Michael A. Naoum • Carol Lutness |

UWMP –June Hearing & Final Draft Document Notice

CLWA Website

Castaic Lake Water Agency - Windows Internet Explorer

http://www.clwa.org/

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ABOUT CLWA YOUR WATER CONSERVATION SCHOOL EDUCATION WATER QUALITY NEWS CONTACT SANTA CLARITA WATER DIVISION

Castaic Lake Water Agency

A public agency providing reliable, quality water at a reasonable cost to the Santa Clarita Valley

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WATER CONSERVATION TIP

Update your watering hose
Outfit your hose with a nozzle that stops water flow completely when not actually using the water. Remember to turn off the water at the faucet when you are finished using the hose.

Set sprinkler timers to water between 9 p.m. - 6 a.m. for no more than 10 minutes per station. [Click here](#) to learn more ways to save.

WEEKLY WATER INDEX: 57

The Watering Index is a simple method of matching irrigation timers to plants water demand. Each day, a Santa Clarita Valley weather station measures the water demand of plants based on actual conditions and the index helps residents achieve optimal watering levels.

[Go here](#) to learn about setting up your watering index.

WHAT'S YOUR WATER NUMBER?
[Click Here](#)

WATER CHALLENGE

Offices will be closed Friday 6/17.

IN THE NEWS

- SCV 2010 Urban Water Management Plan Public Hearing Wednesday, June 22, 2011 at 6:15 p.m. at CLWA [More..](#)
- **Caring for Your Lawn** Water Conservation Tip: Caring for Your [More..](#)

Castaic Lake Water Agency - Publications - Windows Internet Explorer

http://www.clwa.org/about/publications.cfm

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2010 Urban Water Management Plan

The Santa Clarita Valley water suppliers, Castaic Lake Water Agency, CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company, are currently preparing the 2010 Urban Water Management Plan (UWMP). A series of community works shops were held to provide information to the public and to receive public input. Workshop presentations are available for download.

- [Public Workshop Presentations May 25, 2010 \(Introduction and Overview\)](#)
- [Public Workshop Presentations July 27, 2010 \(Groundwater and State Water Project Supplies\)](#)
- [Public Workshop Presentations November 16, 2010 \(SBX7-7 Water Conservation Objectives\)](#)
- [Public Workshop Presentations January 25, 2011 \(Reliability Planning and Supply and Demand Overview\)](#)
- [Public Workshop Presentations March 8, 2010 \(Supply and Demand for Normal and Dry Years\) REVISED VERSION](#)
- [2010 Urban Water Management Plan Public Hearing Presentations, March 23, 2011](#)
- [2010 Urban Water Management Plan – Public Review Draft \(April 2011\)](#)
- [2010 Urban Water Management Plan – Final Draft \(June 2011\)](#)
- [Appendix A](#)
- [Appendix B part 1](#)
- [Appendix B part 2](#)
- [Appendix B part 3](#)
- [Appendix B part 4](#)
- [Appendix B part 5](#)
- [Appendix B part 6](#)
- [Appendix C](#)
- [Appendix D](#)
- [Appendix E](#)
- [Appendix F](#)
- [Appendix G](#)
- [Appendix H](#)
- [Appendix I](#)

UWMP –June Hearing & Final Draft Document Notice
NCWD Website

NCWD - NEWHALL COUNTY WATER DISTRICT - Windows Internet Explorer


http://www.ncwd.org/index.htm

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NCWD - NEWHALL COUNTY ... NCWD - NEWHALL COUN... X

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NEWHALL COUNTY WATER DISTRICT


NCWD

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NEWHALL COUNTY WATER DISTRICT

The Mission of NCWD is to provide quality water service at a reasonable cost by practicing careful stewardship of natural resources, utilizing innovative measures, and providing a quality working environment.

LATEST NEWS

Acrobat Reader 7 or later is required to view many of our documents [Get Acrobat Reader](#)

GFOA Award
NCWD Receives Award for Outstanding Financial Reporting [+](#)

2010 Urban Water Management Plan
Public Hearing Wed, June 22, 11 at 6:15 p.m. at CLWA [+](#)

CONTACT

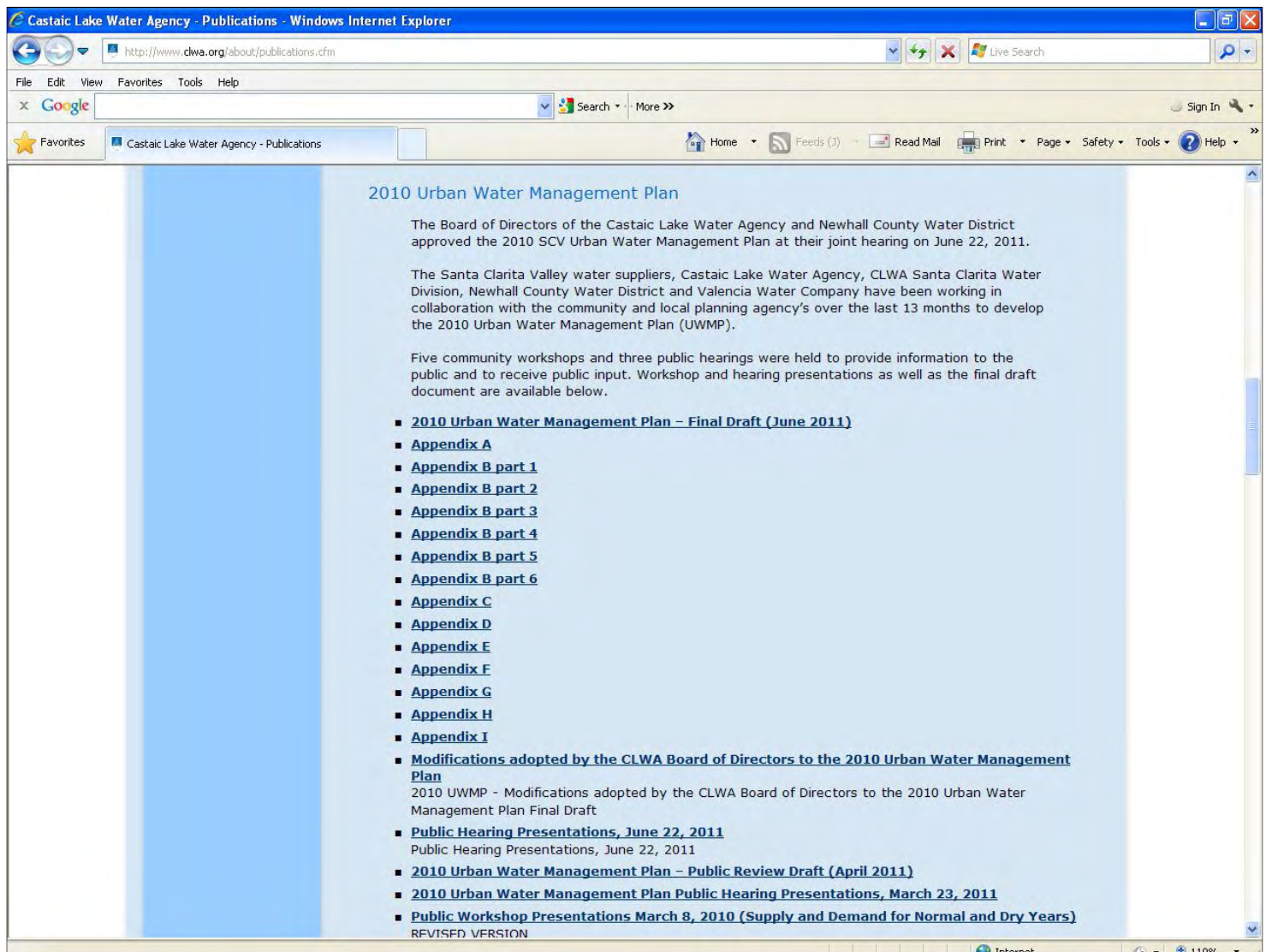
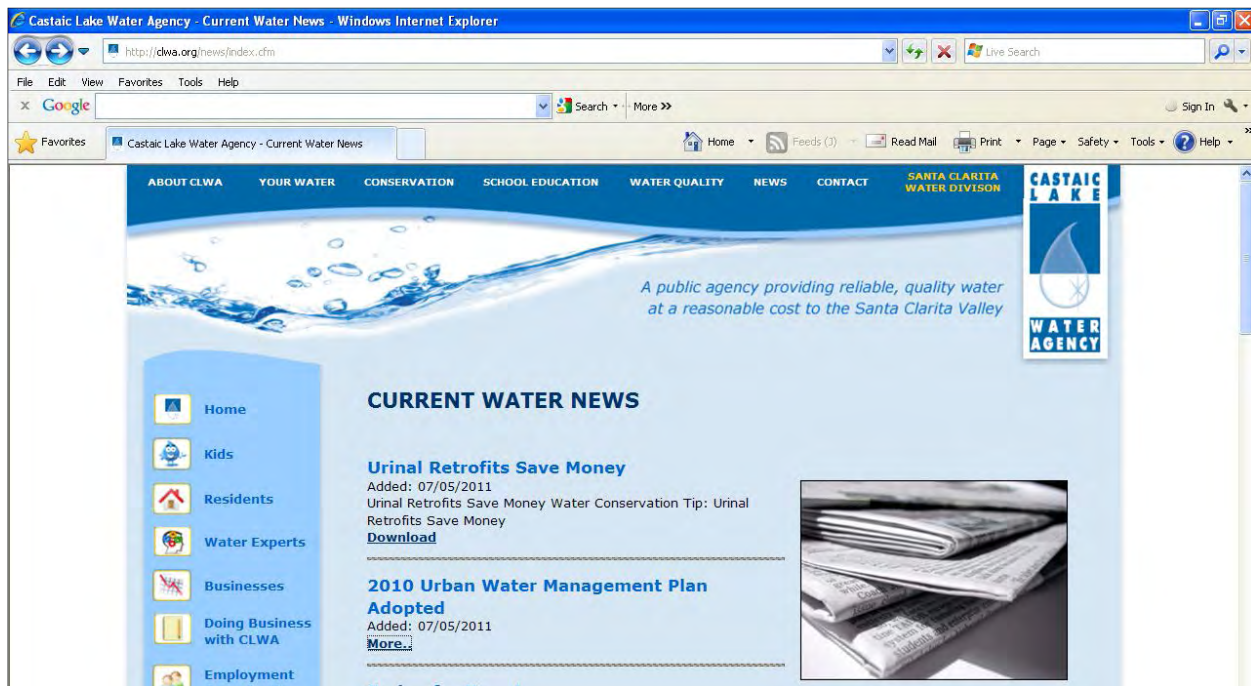
Tel. (661) 259-3610
Fax. (661) 259-3574
Email: mail@ncwd.org

[CLICK HERE](#)

NEWSLETTER

The Quarterly Newsletter is [PDF](#)

UWMP Adoption Notice CLWA Website June 2011



2010 UWMP Adoption Notice
NCWD Website
June 2011

NCWD - NEWHALL COUNTY WATER DISTRICT - Windows Internet Explorer


http://ncwd.org/

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CONTACT

Tel. (661) 259-3610
Fax. (661) 259-3574
Email: mail@ncwd.org

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NEWSLETTER

**NEWHALL COUNTY
WATER DISTRICT**

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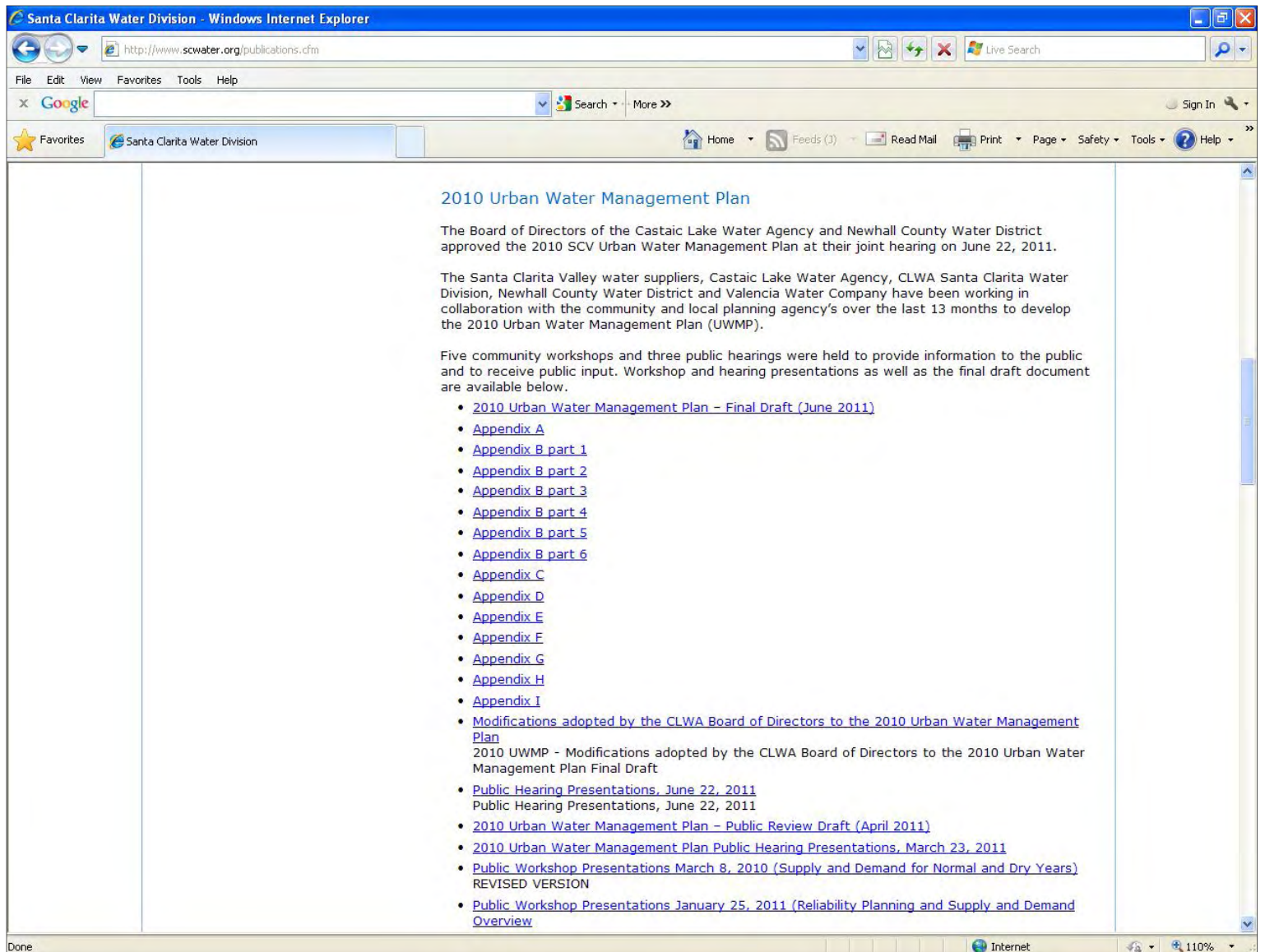
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GFOA Award
NCWD Receives Award for Outstanding Financial Reporting [+](#)

New Regional Urban Water Management Plan Approved [+](#)

2010 UWMP Adoption Notice
SCWD Website
June 2011





New Regional Urban Water Management Plan Approved

Santa Clarita Valley Family of Water Suppliers Approve Critical Planning Tool

Santa Clarita, CA –The Boards of Directors of the Newhall County Water District and Castaic Lake Water Agency unanimously approved the 2010 Santa Clarita Valley Urban Water Management Plan at a joint public hearing on June 22, 2010.

“The approval by the two Boards is a testament to the quality of this document and the team that has worked so hard on its preparation,” stated [Daniel Mortensen, NCWD Board President](#).

The creation of the Santa Clarita Valley Urban Water Management Plan began in May 2010 and included opportunities for input from our community, water partners, environmental groups, elected officials, business groups and other community stakeholders during the five community workshops and three public hearings that were held on the plan.

“We have gone far beyond the public participation requirements cited in the Urban Water Management Plan regulations to ensure that all residents and interested parties had ample opportunity to participate, comment and weigh in on this important process,” stated Tom Campbell, CLWA Board President.

The Urban Water Management Plan presents a picture of the valley’s future water situation and describes the long-range water needs of our community and the means to supply the necessary water to the year 2050. Every five years, the water suppliers who deliver in excess of 3,000 acre feet of water or serve over 3,000 connections per year are required by law to prepare an Urban Water Management Plan.

The SCV Family of Water Suppliers partnered in this planning effort to ensure a collaborative planning approach. This plan is not a project-specific document, nor does it take the place of individual project requirements; rather it is a tool that helps guide the local water suppliers’ actions and offers a broad perspective on a wide variety of water issues. The plan concludes that the combination of existing and





planned programs to increase supply and conservation will meet the Valley's water needs through 2050.

"I am proud of the tremendous amount of time and work that has been put into the development of this plan by the community, our staff, consultants and my fellow Board members," stated Bill Cooper, CLWA Board Vice President . "Our Urban Water Management Plan serves as the 'gold standard' of planning documents throughout the state and is followed closely for its content and thoroughness."

The final SCV Urban Water Management Plan will be delivered to the State Department of Water Resources before the end of July 2011. The final draft and additional amendments that were made at the recent board meetings are currently available for review online at www.ncwd.org.

Santa Clarita Valley Urban Water Management Plan

Public Hearing
June 22, 2011
Castaic Lake Water Agency

Agenda

- ▶ Open public hearing
- ▶ Review of public input process and public comment letters
- ▶ Public comment period
- ▶ Presentation on Groundwater Basin
- ▶ Presentations on Perchlorate Restoration, VWC Well 201
- ▶ Presentations on Water Banking, SWP reliability, Water Conservation, Chlorides/AWRM
- ▶ Board questions and answers
- ▶ Description of UWMP document finalization process
- ▶ Close hearing and next steps

UWMP Act Process

| ACT REQUIREMENTS | ACT REQUIREMENTS EXCEEDED |
|--|--|
| <ul style="list-style-type: none"> ▶ Coordinate preparation of UWMP with other appropriate agencies in the area. | <ul style="list-style-type: none"> ▶ Draft Final UWMP, §§1.3.1 & 1.3.3, Table 1-1, pgs 1-3 to 1-8. |
| <ul style="list-style-type: none"> ▶ 60 days notice to city and counties, and may consult with, and obtain comments from, city and counties receiving notice. | <ul style="list-style-type: none"> ▶ Draft Final UWMP, §1.3.3, Table 1-1, pgs 1-3 to 1-8, Appendix B. |
| <ul style="list-style-type: none"> ▶ Encourage active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan. | <ul style="list-style-type: none"> ▶ Five Public Workshops between May 2010 and March 2011; three CLWA/NCWD joint public hearings; written public comment period; written public comment deadline extended; Draft Final UWMP, §§1.3.1 & 1.3.3, Table 1-2, pgs 1-3 to 1-8. |

UWMP Act Process

ACT REQUIREMENTS

- ▶ Prior to adopting a plan, the urban water supplier shall make the plan available for public inspection.
- ▶ One Public hearing.
- ▶ Notice of hearing in compliance with Gov. Code § 6066.

ACT REQUIREMENTS EXCEEDED

- ▶ Draft UWMP has been available since April 15, 2011; Final Draft UWMP, §§1.3.1 & 1.3.3, Table 1-2, pgs 1-3 to 1-8, Appendix B.
- ▶ Three CLWA/NCWD joint public hearings.
- ▶ Final Draft UWMP, §§1.3.1 & 1.3.3, Table 1-2, pgs 1-3 to 1-8, Appendix B.

UWMP Act Process

ACT REQUIREMENTS

- ▶ Notice of hearing to any city or county within which the supplier provides water supplies.
- ▶ After the hearing, the plan shall be adopted as prepared or as modified after the hearing.

ACT REQUIREMENTS EXCEEDED

- ▶ Final Draft UWMP, §§1.3.1 & 1.3.3, Table 1-2, pgs 1-3 to 1-8, Appendix B.
- ▶ June 22, 2011 Joint Meeting and 3rd Joint Public Hearing

Past Workshops

May 2010

- ▶ UWMP purposed and process – What, Who, Why and When
- ▶ Existing and new requirements of UWMPs

July 2010

- ▶ SBX7-7 ("20x2020") Requirements
- ▶ Recycled Water
- ▶ Groundwater Supplies
- ▶ State Water Project Reliability

November 2010 –

- ▶ Presentation to IRWMP Stakeholders

Past Workshops (continued)

November 2010

- › GPCD population assumptions and calculations
- › SBX7-7 Targets by retailer

January 2011

- › Overview of water supplies
- › SWP reliability update
- › CLWA reliability planning update
- › SBX7-7 calculations and targets
- › Overview of water supplies and demand

March 2011

- › Water Supply and Demands

Public Hearings and Draft Document

1st public hearing March 23, 2011

- Public Draft document made available April 15, 2011
- Comment period through May 20, 2011

2nd public hearing May 18, 2011

- Comment period extended through May 27, 2011
- Final Draft document made available June 15, 2011

3rd public hearing June 22, 2011

Comment Letters Received

- | | |
|------------------------------------|---------------------------------------|
| › Friends of the Santa Clara River | › Whittaker-Bermite Citizens |
| › Santa Clarita resident and | Advisory Group |
| Valencia Water ratepayer | › Babak Naficy |
| › Sierra Club | › Santa Clarita Valley Fair Elections |
| › Mr. and Mrs. Dunn | Committee |
| › Mr. Naoum | |
| › Mr. Dunn | |
| › Sierra Club | |
| › SCOPE | |

Broad Categories of Comments Received

- ▶ Groundwater overdraft claims
- ▶ Perchlorate and VWC Well 201
- ▶ Organic compounds
- ▶ Water banking program issues; State Water Project reliability and contingency planning
- ▶ Water conservation accounting
- ▶ Chloride water quality issues (TMDL/AWRM)

Santa Clarita Valley Urban Water Management Plan

Public Comment Period

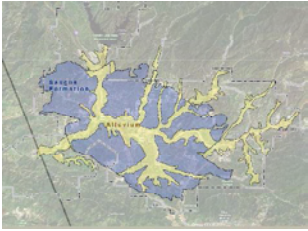


Groundwater Supplies and Related Issues, e.g. "Overdraft"

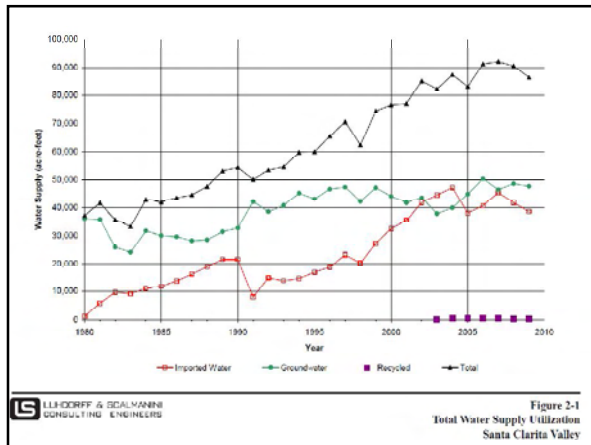
- ▶ Joe Scalmanini –
Luhdorff and Scalmanini, Consulting Engineers

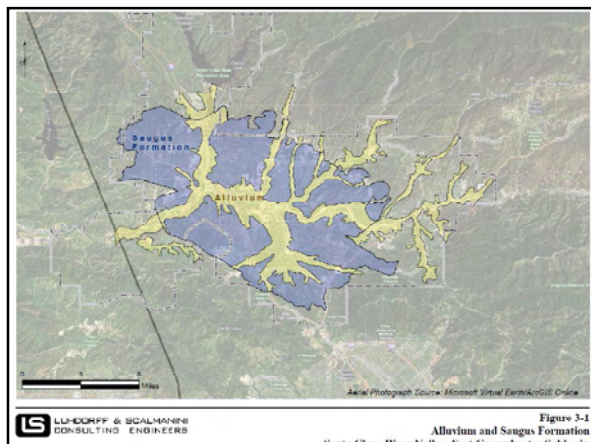
Groundwater Component of Water Supplies

2010 Urban Water Management Plan



- Castaic Lake Water Agency • CLWA Santa Clarita Water Division
- Los Angeles County Waterworks District 36
- Newhall County Water District • Valencia Water Company





Groundwater Management Plan (2003)

Management Objectives (Goals) for the Basin

- Development of integrated surface water, groundwater, and recycled water supply to meet existing and projected uses
- Determination of operational groundwater yield to avoid overdraft = sustainability
- Preservation of groundwater quality, including solution of contamination problems
- Preservation of interrelated surface water resources = maintenance of surface water flows and non-degradation of quality

Groundwater Management Plan (2003)

Elements

- Groundwater monitoring
- Surface water monitoring
- Basin yield analysis
- Regular and dry year water supplies
- Continued conjunctive use
- Long-term salinity management
- Integration of recycled water
- Mitigate contamination
- Local, state and federal relationships
- Public education and water conservation
- Recharge wellhead protection areas
- Well construction and destruction policies
- Provisions to add additional components

Annual Water Reports (1998-present)

Annual Water Requirements and Supplies

- Actual water use
- Sources of supply to meet actual use

Groundwater

- Alluvial and Saugus aquifer conditions

Supplemental Water Supplies

- State Water Project
- banking and other programs

Water Quality

Recycled Water

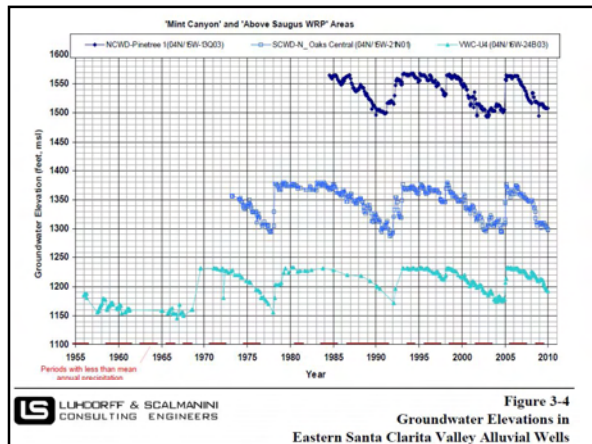
Santa Clara River

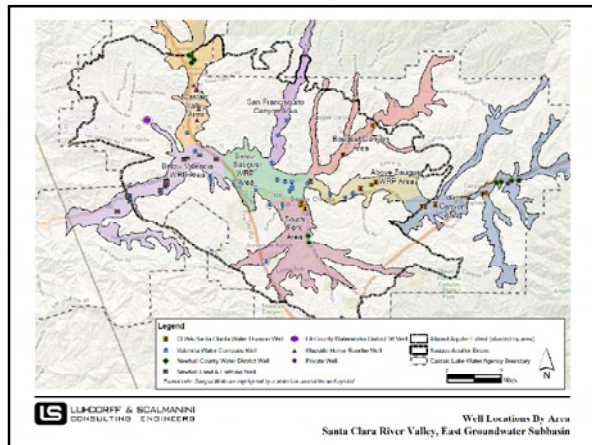
- Outflows from Santa Clarita Valley

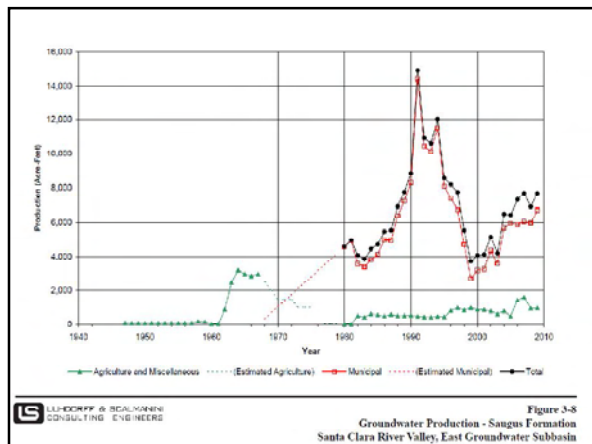
Short-Term (one year) Outlook

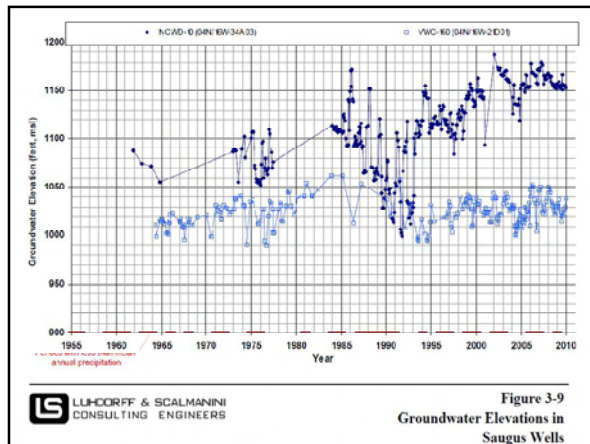
- Water requirements adjusted from UWMP
- Surface water, groundwater and recycled water supplies
- Adequacy of water supplies











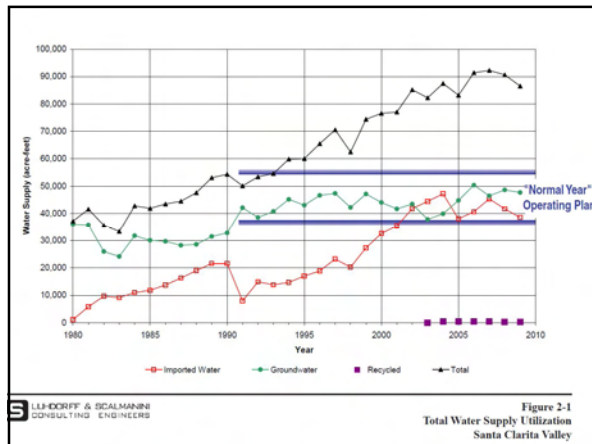
Total Groundwater Supply Santa Clarita Valley

| | Normal Years | | |
|----------------------|----------------------|----------------------|----------------------|
| | Alluvium (afy) | Saugus Fm. (afy) | Total (afy) |
| Municipal Purveyors | 25,850 | 11,485 | 37,335 |
| Agriculture & Others | 12,750 | 1,000 | 13,750 |
| Total | 38,600 | 12,485 | 51,085 |
| | Multiple Dry Years | | |
| | Alluvium (afy) | Saugus Fm. (afy) | Total (afy) |
| Municipal Purveyors | 23,800-22,250 | 18,125-33,975 | 41,975-56,225 |
| Agriculture & Others | 12,700-12,600 | 1,000 | 13,700-13,600 |
| Total | 36,500-34,850 | 19,125-34,975 | 55,675-69,825 |

2008 Groundwater Operating Plan

| Groundwater Pumping 2010 UWMP | | | | |
|----------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Aquifer | Normal Years | Dry Year 1 | Dry Year 2 | Dry Year 3+ |
| Alluvium | 30,000-40,000 (38,600) | 30,000-35,000 (36,500) | 30,000-35,000 (34,850) | 30,000-35,000 (34,850) |
| Saugus | 7,500-15,000 (12,485) | 15,000-25,000 (19,125) | 21,000-25,000 (25,227) | 21,000-35,000 (34,977) |

from 2009 Basin Yield Update (LSCE & GSI), following 2001 Groundwater Update Report (Slade) & 2005 Basin Yield Analysis (CH2M Hill & LSCE)



Sustainability and Achievability

Sustainability

"lack of chronic, or sustained, depletion of groundwater storage, as indicated by projected groundwater levels, over a reasonable range of wet, normal, and dry hydrologic conditions" (86 years: 1922-2007)

"maintenance of surface water flows in the western portion of the basin (which are partially maintained by groundwater discharge) and surface water outflow to downstream basins over the same range of hydrologic conditions"

Achievability

maintenance of groundwater levels above, or only temporarily slightly into, the intake (screened or perforated) sections of production wells

from 2009 Basin Yield Update (LSCE & GSI)

2008 Operating Plan Conclusions

Operating Plan is fully sustainable (no chronic groundwater level declines; no depleted stream flow), i.e. not overdraft, and mostly achievable (limited dry-period declines in eastern part of Valley)

Lack of any projected overdraft is consistent with actual historical basin response to the same range of groundwater pumping

Achievability issues in extended dry periods can be resolved by redistribution of some pumping to the west

- with redistribution, retain dry-period Alluvial pumping near 35,000 afy
- without redistribution, dry-period Alluvial pumping closer to 30,000 afy

Subsidence

In alluvial aquifers, results from “aquitard drainage” and resulting consolidation of the “aquitard”

- requires extensive, thick aquitard (fine-grained sediments, i.e. clay bed)
- requires chronically depressed groundwater levels (to allow clay to drain)

Santa Clarita Valley Alluvium

- up to 240 ft. thick, but lacking any extensive, thick aquitard => geology not conducive to subsidence, regardless of groundwater levels
- some near-constant and some fluctuating groundwater levels, but no chronically depressed groundwater levels anywhere => hydrology not conducive to subsidence.

No physical evidence of subsidence, e.g. lowering of land surface.

Small Private Pumping

Limited submittal of pumping-related data, approx. 5-6 years ago, for two tributary canyons; quantified less than 200 afy

No information submitted about well completions, e.g. whether in Alluvium or bedrock, pump capacities, water level records

No information about well failures, e.g. “going dry”

Extrapolated limited pumping data to conservatively estimate 500 afy of basin-wide small private pumping; included in Annual Water Report

Reported, and continue to expect, all private Alluvial wells to experience the same groundwater level fluctuations as monitored and reported in Annual Water Report

Monitoring

CA Health and Safety Code, Title 22

- Domestic Water Quality and Monitoring
- Waterworks Standards

CA Dept of Public Health

- Domestic Water Supply Permits
- Application of Health & Safety Code and DPH Policies

Santa Clarita Valley Purveyors

- Permitted and regulated as above
- In compliance with above for quantity and quality of water supplies

Perchlorate Treatment

- Groundwater Quality
 - Perchlorate treatment and restoration

Perchlorate

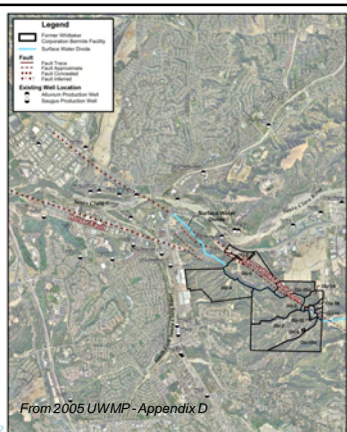
| Year Perchlorate Detected | Purveyor Well | Groundwater Aquifer | Status |
|---------------------------|--|---------------------|--|
| 1997 | SCWD Saugus 1 | Saugus | DPH approved well return to service in January 2011; well in active service utilizing approved perchlorate treatment. |
| 1997 | SCWD Saugus 2 | Saugus | DPH approved wells return to service in January 2011; well in active service utilizing approved perchlorate treatment. |
| 1997 | WVC Well 157 | Saugus | Sealed and capacity replaced by new well. |
| 1997 | NCWD Well 11 | Saugus | Out of service |
| 2002 | SCWD Stadium Well | Alluvium | Sealed and capacity replaced by new well. |
| 2005 | WVC Well Q2 | Alluvium | DPH approved perchlorate treatment removal in 2007; treatment was installed in 2005 and relocated for potential future use; well remains in service. |
| 2005 | DTSC approved Interim Remedial Action Plan | | |
| 2006 | NCWD Well NC-13 | Saugus | DPH approved annual monitoring, results have always been below the detection limit for reporting; well remains in service. |
| 2007 | Settlement Agreement | | |
| 2010 | WVC Well 201 | Saugus | Out of service pending additional monitoring and evaluation of remediation alternatives. |

Rapid Response Fund provides \$10M in reimbursement funds to CLWA as fail-safe.

Perchlorate Impact

**Valencia Water Company
Well 201**

Site
Location
--
Former
Whittaker
Bermite
Facility



Perchlorate Concentrations

Initial Detection (August, 2010) 5.0 ug/l
– well removed from water supply service

Quarterly/Monthly Confirmation Sampling
(November, 2010–April, 2011) fluctuations between
5.7 and 12 ug/l

Logical Occurrence or Completely Unexpected?

Initial Perchlorate Contamination in Saugus Wells - 1997
 – Saugus 1 & 2; V 157; NCWD 11

Groundwater Flow

- westerly gradient and flow direction – pre-1997 to 2010

Gradient Control = "Containment" via Restoration of Saugus 1 & 2

- modeled – 2004
- permitting, litigation, Settlement Agreement – 2007
- design, construction – 2010
- DPH water supply permit – 2010
- start-up operations – 2010
- full-time operation – January 2011

Valencia 201

- first down-gradient Saugus well from original impacts
- 13-year elapsed time from initial impacts to V 201 impact
- listed as "threatened" well in Settlement Agreement
- while not a foregone conclusion, detection is a logical occurrence, and not completely unexpected

Water Supply Impact

Recent Operations

- capture zone analysis – 2004
- reduced pumping to avg. 180 afy – 2004-2010
- replaced pumping with other Saugus well capacity

Saugus Formation

- 7,500 – 15,000 afy “normal year” water supply
- 15,000 – 35,000 afy “dry year” water supply

V 201

- key well in dry years
- 3,777 afy of total “dry year” water supply
- capacity needs to be restored before next potential dry year, i.e., within two years

V 201 Response

Removed from Water Supply Service at Initial Detection
(August, 2010)

Quarterly-Monthly Confirmation Sampling

Alternatives

- restoration with “wellhead” treatment
- well replacement

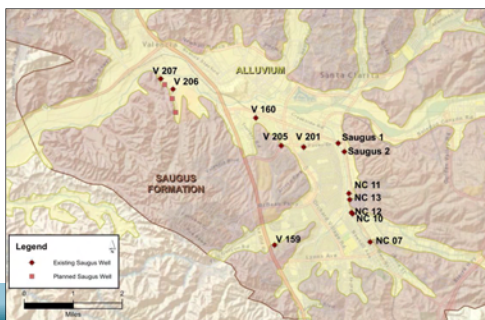
Groundwater Modeling

- perchlorate migration
- need for secondary “containment”
- updated assessment of “threatened” wells

Dept. of Public Health Permitting

Design and Construction

Existing and Planned Saugus Well Locations



Organic Compounds

- ▶ Volatile and Synthetic Organic Compounds
 - Trichloroethylene (TCE) and Tetrachloroethylene (PCE)
 - Cleaning solvents, legacy contamination, urban stormwater runoff, septic systems
- ▶ CLWA annually monitors for these compounds;
 - TCE was found below the MCL in trace levels in groundwater in the Valley.
 - Not currently affecting production or needing treatment.

Water Banking Program Terms

Water Banking Programs

| Banking Program | Extraction Capacity (AFY) | Contract Term |
|-----------------------------|---------------------------|--|
| Rosedale Rio-Bravo | 20,000 | Through term of SWP contract |
| Semitropic interim programs | 15,000 | Through 2012/13 originally; through 2022/23 with Amendment |
| Semitropic – Newhall Land | 4,950 | Through 2035 with renewal by mutual agreement |

State Water Project Reliability Comment Areas

- ▶ Supply Reliability
- ▶ Facility Reliability
- ▶ SWP and West Branch Conveyance
- ▶ Catastrophic Supply Interruption

SWP Supply Reliability

- ▶ Supply data from DWR's 2009 SWP Delivery Reliability Report.
- ▶ Based on model studies using 82 years of historical hydrology (1922 – 2003).
- ▶ Historical period includes several significant drought periods.
- ▶ Estimate for future (2029) includes adjustments to hydrology to reflect climate change.

SWP Facility Reliability

- ▶ Past SWP outages have been short-term (typically weeks in duration).
- ▶ Longest West Branch outage was planned three-month winter outage (Dec 1998 – Feb 1999).
- ▶ CLWA ideally located immediately downstream of two large SWP reservoirs – Pyramid and Castaic Lakes.
- ▶ Location allows deliveries to continue to CLWA and other West Branch Contractors even with outage in aqueduct upstream.
- ▶ No past SWP outages have impacted deliveries to CLWA.
- ▶ Potential supply impacts of future outage evaluated in UWMP Section 8.

SWP Conveyance

- ▶ SWP facilities are owned by State and operated by DWR.
- ▶ West Branch facilities, including aqueduct and Pyramid and Castaic Reservoirs, are part of SWP.
- ▶ CLWA and 28 other SWP Contractors each have a Water Supply Contract with DWR for water supply and delivery, with similar terms.
- ▶ Water Supply Contract:
 - Dictates terms for water delivery.
 - Provides for delivery of SWP water, supplies to and from out-of-service area banking programs, and non-SWP water.

SWP Conveyance (cont.)

- ▶ Each SWP Contractor has same priority for delivery within proportion of aqueduct capacity they pay for.
- ▶ Deliveries in excess of that capacity may be made through unused capacity of other Contractors.
- ▶ DWR requires separate delivery agreements for Contractor programs needing delivery through SWP facilities.
- ▶ CLWA has agreements with DWR for deliveries to and from its San Joaquin Valley banking programs and for delivery of its Buena Vista-Rosedale supply.

West Branch Conveyance

- ▶ DWR controls deliveries to each of three West Branch Contractors (CLWA, MWD, Ventura Co WPD).
- ▶ In dry years when SWP supplies are low, capacity normally used to convey SWP water is available to deliver other supplies.
- ▶ CLWA withdrawals from banking programs are planned only for dry years, when capacity would be available to convey it.

Catastrophic Supply Interruption

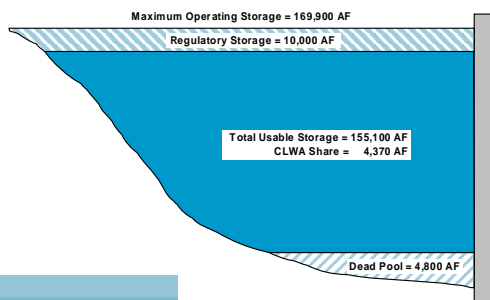
- ▶ Three SWP emergency outage scenarios considered:
 - Levee breach in Delta
 - California Aqueduct in San Joaquin Valley
 - West Branch Aqueduct
- ▶ Worst-case outage: West Branch Aqueduct
 - No SWP or other supplies through aqueduct
 - No supplies from groundwater banking in San Joaquin Valley

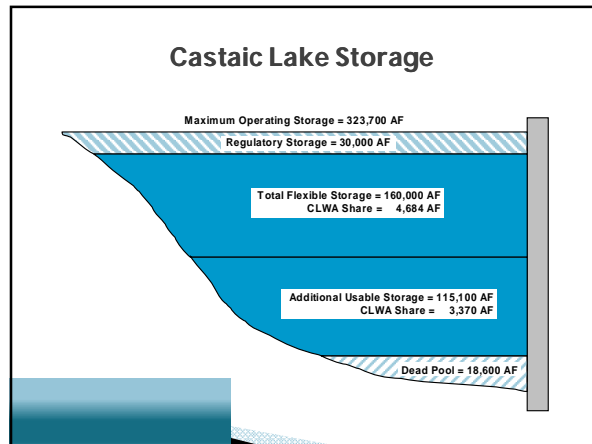
Catastrophic Supply Interruption

Outage assumptions:

- ▶ Six-month outage
- ▶ Occurs in normal/average year
- ▶ Supplies limited to:
 - Local Supplies
 - Groundwater
 - Recycled water
 - CLWA share of storage in West Branch reservoirs
 - Flexible storage
 - Emergency storage

Pyramid Lake Storage





Six-Month West Branch Aqueduct Outage: Water Supplies and Demand (AF)

| Water Supply Sources | 2015 | 2020 | 2035 | 2050 |
|---|---------------|---------------|---------------|---------------|
| Local Supplies | | | | |
| Existing Supplies | | | | |
| Groundwater | 22,200 | 22,200 | 22,700 | 22,700 |
| Recycled Water | 120 | 120 | 120 | 120 |
| Planned Supplies | | | | |
| Future Groundwater | 1,900 | 7,350 | 8,850 | 10,350 |
| Recycled Water | 370 | 1,020 | 3,850 | 7,870 |
| Total Local Supplies | 24,590 | 30,690 | 35,520 | 41,040 |
| SWP West Branch Storage Available | | | | |
| SWP Flexible Storage Accounts | 6,060 | 4,680 | 4,680 | 4,680 |
| Emergency Storage | | | | |
| Pyramid Lake | 4,370 | 4,370 | 4,370 | 4,370 |
| Castaic Lake | 3,370 | 3,370 | 3,370 | 3,370 |
| Total West Branch Storage | 13,800 | 12,420 | 12,420 | 12,420 |
| Total Local Supplies and West Branch Storage | 38,390 | 43,110 | 47,940 | 53,460 |
| Demands | | | | |
| Total Demand w/o Conservation | 40,035 | 44,242 | 56,863 | 69,484 |
| Total Demand w/ Conservation | 36,172 | 35,954 | 48,447 | 60,939 |
| Additional Supply and/or Conservation Required | - | - | 507 | 7,479 |
| As Percent of Demand | 0% | 0% | 1% | 11% |

SBX7-7 Calculations and Water Conservation Accounting

| | 2015 | 2020 | 2035 | 2050 |
|---|---------------|---------------|---------------|---------------|
| Water Supply Sources | | | | |
| Local Supplies | | | | |
| Existing Supplies | | | | |
| Groundwater | 22,200 | 22,200 | 22,700 | 22,700 |
| Recycled Water | 120 | 120 | 120 | 120 |
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SBX7-7 Calculations

- ▶ All values reported in UWMP by purveyors are required in statute passed in late 2009
- ▶ Methodologies developed through a DWR public committee process also required in statute; Kennedy/Jenks is a committee member
- ▶ Demand reduction targets calculated for each retail purveyor
- ▶ Purveyors may reach targets by combination of water conservation and recycled water programs

Water Conservation Accounting

- ▶ Estimates of future savings made by reviewing a wide variety of water conservation measures and programs, and then applying industry-accepted savings factors to them
- ▶ Saving factors are determined by in-depth technical studies, mainly done by the California Urban Water Conservation Council (CUWCC) and the American Waterworks Association
- ▶ CUWCC reports all savings calculations for its signatory agencies to SWRCB annually
- ▶ Detailed SCV Water Use Efficiency Strategic Plan is implementation plan for demand reductions

SBX7-7 Calculations and Water Conservation Accounting

- ▶ Document website links
 - SBX7 - 7 Methodologies:
<http://www.water.ca.gov/wateruseefficiency/sb7/committees/urban/u3/>
 - CUWCC SWRCB Report:
<http://www.cuwcc.org/about/annual-reports>
 - SCV Water Use Efficiency Strategic Plan:
<http://www.scvh2o.org/>
<http://www.clwa.org/about/publications.cfm>

Chlorides/AWRM

- ▶ Imported Water Quality
 - Chloride TMDL
 - Alternative Water Resources Management Program (AWRM)
 - SWP Water Quality Modeling

Chlorides (continued)

- ▶ Imported Water Quality
 - Chloride TMDL (2005) – 100 mg/L from Saugus/Valencia WRPs
- ▶ Alternative Water Resources Management Program (AWRM) (2008)
 - Established conditional site specific objectives for chloride;
 - Provides water quality and water supply benefits, and protects biological resources;
 - SWP Water Quality Modeling

Santa Clarita Valley Urban Water Management Plan

Directors' Question and Answer Period



Santa Clarita Valley Urban Water Management Plan

Next Steps



Consultant Team Resumes Public Outreach Record

2010 Santa Clarita Valley Urban Water Management Plan

Lynn M. Takaichi, P.E.

Chairman

Education

MS in Civil Engineering (Sanitary), University of California, Berkeley, 1972
BS in Civil Engineering, University of California, Berkeley, 1971
Special Study in Environmental Impact Assessment, University of California
Study in City and Regional Planning, University of California
Study in Water Resources Planning Civil Defense Preparedness Agency, Certificate of Achievement in Multi-Protection Design, University of Hawaii

Registration

Civil Engineer in California

Professional Summary

Mr. Takaichi is responsible for major planning and design projects, particularly assignments involving complex institutional and financial arrangements. He has directed a wide range of water projects including water resource studies, water system master plans, water treatment investigations, water facilities design and utility management plans. In addition, he has managed the preparation of numerous environmental impact assessments.

Mr. Takaichi has particular expertise in complex institutional arrangements and he works closely with specialized legal counsel, financial consultants, and water managers. His experience includes water agency formation, drafting of enabling legislation, negotiation of water supply and water service agreements, development of annexation policies and agreements, and management of a wide variety of water programs. He also has expertise in water system appraisals and has assisted numerous public agencies with the acquisition of investor-owned utilities.

Water Demand Models

- Comprehensive water system plan update for the Lakehaven Utility District.
- Modeling of water and reclaimed water systems for the Cambria Community Services District.
- Comprehensive water system master plan update for the City of Oxnard.
- Comprehensive water plan and capital improvement program (\$380 million) for the Castaic Lake Water Agency.
- Water master plan for the City of Chino.
- Water Supply Reliability Plan Update and Optimization Model for the Castaic Lake Water Agency.
- Integrated Regional Water Management Plan for the Antelope Valley for the County of Los Angeles.
- Water Demand Model for the Mojave Water Agency.

Water Resource Studies

- Water Supply Reliability Evaluation for the San Geronio Pass Water Agency.
- Strategic planning consultant for local water resources development for the Los Angeles Department of Water & Power.

- Expert witness for water rights valuation for Squaw Creek Resort.
- Integrated Regional Water Management Plan for the Antelope Valley for the County of Los Angeles.
- Water Supply Reliability Plan Update and Optimization Model for the Castaic Lake Water Agency.
- Alternative Water Management Plan for the Santa Clara River for the Los Angeles County Sanitation Districts.
- Negotiation of numerous water transfer and exchange agreements for public and private clients.
- Evaluation of potential water marketing concepts at Lake Elizabeth for Ridgetop Ranch Properties.
- Peer review of SB 610/221 Water Supply Assessment for the Centennial Development (27,000 homes).
- Numerous groundwater evaluations and groundwater management plans.
- Preparation of numerous urban water management plans. Among these are plans for the Antelope Valley, Castaic Lake Water Agency, Hi-Desert Water District, City of Oxnard, City of Santa Paula, and Twentynine Palms Water District.
- Feasibility Evaluation of Alternative Spreading Facilities at the Cucamonga Spreading Grounds for the San Antonio Water Company.
- Evaluation of water banking requirements (Water Supply Reliability Plan) for the Castaic Lake Water Agency.
- Strategy Development for the Santa Ana River Recharge Facilities for the San Bernardino Valley Water Conservation District.
- Water resource evaluation of the Antelope Valley.
- West Ventura County water supply reliability study for the cities of Ventura and Oxnard.
- Water Resources Plan for the Cambria Community Services District.
- Concept Plan for the restoration of the Santa Rosa Basin for the Camrosa Water District.
- McGrath Lake preliminary watershed study for the McGrath State Beach Area Trustee Council.
- Water production alternatives study for the City of Camarillo.
- Evaluation of supplemental water supplies for the Nipomo Community Services District.
- Baseline water supply study for the Cambria Community Services District.
- Preliminary evaluation of the potential use of freeway dewatering water as a water supply for the City of Downey.
- Water resources study for the City of Santa Paula.
- Water Resources Element (LA County) of the Santa Clara River Enhancement and Management Plan for the Castaic Lake Water Agency.
- Optimization study of state water importation into Ventura County.
- Evaluation of potential water resources for the Hidden Valley Municipal Water District.
- Water resources evaluation and environmental assessment of 200,000 acres in Hawaii for the Soil Conservation Service.

Affiliations

American Society of Civil Engineers
American Water Works Association
National Society of Professional Engineers
Society of American Military Engineers
Water Environment Federation

National Association of Corrosion Engineers

Publications

Levi Brekke, Milton D. Larsen, Mary Ausburn, and Lynn Takaichi. 2002. *Suburban Water Demand Modeling Using Stepwise Regression*. Journal – American Water Work Association, October 2002.



Mary Lou Cotton, C.C.P.

Technical/Policy Advisor and QA/QC

Education

MS, Geological Sciences, University of Southern California

BS, Biological Sciences, University of Southern California

Registrations

Certified Water Conservation Practitioner, AWWA-CA/NV

Affiliations

California Urban Water Conservation Council

American Water Works Association, Water Conservation Certification Committee

Association of California Water Agencies, Water Use Efficiency and Communications Committees

Professional Summary

Mary Lou Cotton is a water resources planning and water conservation expert, with over 17 years of management experience with water agencies statewide, specifically in conducting water resource planning and management programs including surface water and groundwater investigations; water transfer, banking and exchange transactions and agreements; water conservation planning and management; master planning and design studies; water quality and hazardous waste investigations; and supporting the preparation of CEQA Compliance documents and obtaining project permits. Ms. Cotton is working in an advisory capacity for several clients on a wide variety of water banking (supply reliability) programs, as well as water transfers or exchanges for short-term and long-term water supplies. In addition, Ms. Cotton assists the State Water Contractors in an advisory capacity on Bay-Delta matters and is also serving as the General Manager of the State Water Project Contractors Authority.

Ms. Cotton has served on the California Urban Water Conservation Council for over a dozen years, as representative for Council members Kern County water Agency, Castaic Lake Water Agency and now Kennedy/Jenks Consultants. She has served on the Council Steering Committee for eight years, and is currently Secretary/Treasurer of the organization; this experience has made her extremely familiar with the requirements of the Memorandum of Understanding Regarding Urban Water Conservation in California (MOU). Ms. Cotton is also a member of the Association of California Water Agencies Water Use Efficiency and Communications Committees. She is an AWWA registered Level 1 Water Conservation Practitioner and currently serves on the AWWA Water Conservation Certification Committee.

This wide experience has made Ms. Cotton an expert on all aspects of California water management policy and practice. She has participated in numerous high-level efforts regarding water conservation in California, including the CALFED Bay-Delta Program Water Use Efficiency advisory committee and the Department of Water Resources Urban Water Management Plan guidebook advisory committee, and has worked on various pieces of conservation-related legislation. In addition, she has served on numerous CUWCC project advisory committees and participated in the 1997 and 2008 revisions of the MOU.

Project Experience



2010 Urban Water Management Plan Update, Castaic Lake Water Agency, Santa Clarita, CA. Project Manager for preparation of the 2010 regional Urban Water Management Plan (UWMP), which is being completed on behalf of CLWA and its four retail purveyors. The water supply analysis includes the SWP, local groundwater, reliability programs, other imported supplies and recycled water. The UWMP also includes an evaluation of the various alternative water management strategies and supplies available to the Valley and based on the evaluation, will recommend water supply strategies.

2010 Urban Water Management Plan Update, Mojave Water Agency, Apple Valley, CA. QA/QC. Kennedy/Jenks is currently providing planning services to product Mojave Water Agency's (MWA) 2010 UWMP with particular focus on Best Management Practices (BMPs) and new regulations. A State Water Project contractor, MWA's plan is to be completed in cooperation with numerous retailers from within their service area. This update will also include analysis of the various agencies' water conservation programs status for the purposes of evaluating compliance with AB 1420 and SBX7, in coordination with the local Alliance for Water Awareness and Conservation.

2010 Urban Water Management Plan Update, Western Municipal Water District, Riverside County, CA. QA/QC for preparation of the District's 2010 UWMP update, including water supplies, demands, and conservation measures.

2010 Urban Water Management Plan Update for Improvement District 4, Kern County Water Agency, Bakersfield, CA. Project Manager for preparation of the 2010 regional UWMP, for the Kern County Water Agency's (KCWA) Improvement District No. 4 (ID4), which represents the urban portion of KCWA's State Water Project wholesale service area. The water supply analysis includes the SWP, local groundwater, reliability programs, other imported supplies and recycled water. In addition to the water supply analyses required by the UWMP Act, this UWMP update will also include analysis of local water conservation program status for the purposes of evaluating compliance with AB 1420 and SBX7.


2010 Urban Water Management Plan Update, Port Hueneme Water Agency, Port Hueneme, CA. QA/QC for preparation of the Agency's 2010 UWMP update, which will include 25 years of water supply/demand analysis, new legislative requirements, water supply demand forecasting, Demand Management Measures review and analysis, and contingency planning.

2010 Urban Water Management Plan Update, City of Port Hueneme, CA. QA/QC for update of the City's 2010 UWMP. Project included review of the City's existing and future water supplies and demands, water supply reliability, summary of current conservation measures, an evaluation of recommended conservation measures, and an implementation plan.

2010 Urban Water Management Plan Update, San Bernardino Valley Municipal Water District, San Bernardino, CA. QA/QC for update of the District's 2010 UWMP with particular focus on Best Management Practices (BMP's) and new regulations. The work will also include coordination with California Department of Water Resources reviews and approvals.

2010 Urban Water Management Plan, Lake Arrowhead Community Services District, Lake Arrowhead, CA. Project Manager for production of this retail water purveyor's 2010 UWMP update.

2010 Urban Water Management Plan, North of the River Municipal Water District and Oildale Mutual Water Company, Kern County, CA. QA/QC for preparation of the 2010 UWMP update for Kern County Water Agency Improvement District No. 4's (ID4) participating retail purveyors, North of the River



Municipal Water District and Oildale Mutual Water Company. The UWMP update will provide information on ID4's wholesale service area and operations and will include data and information about the ID4 retail purveyor service areas and operations. The UWMP update will also include information on ID4 retail purveyor service areas that recover groundwater within ID4.

2010 Urban Water Management Plan, City of Ventura, CA. Project Manager for production of the City's 2010 UWMP update. The water supply analysis includes local groundwater, reliability programs, other imported supplies and recycled water. In addition to the water supply analyses required by the UWMP Act, this UWMP update will also include analysis of local water conservation program status for the purposes of evaluating compliance with AB 1420 and SBX7.

2010 Urban Water Management Plan, Central Coast Water Authority, Ventura County, CA. Currently providing QA/QC and third-party technical review for the CCWA's 2010 UWMP update.


2010 Urban Water Management Plan Update, Western Municipal Water District, Riverside County, CA. QA/QC for preparation of the District's 2010 UWMP update, including water supplies, demands, and conservation measures.

Water Use Efficiency Master Plan, Western Municipal Water District, Riverside County, CA: Project Manager. In concert with the growing emphasis on water use efficiency programs, WMWD commissioned the preparation of a Water Use Efficiency Master Plan to comprehensively address the long term use of water resources within their service area by adopting objectives, policies and programs designed to promote innovative emerging technologies and practices, as well as proven and cost-effective conservation measures. Ms. Cotton managed and authored several sections of the Plan, conducted an evaluation of water conservation measures through development of a weighted scoring matrix, and reviewed and assisted in the production of the Master Plan.

Water Conservation Master Plan, City of Riverside, Riverside County, CA: Technical Advisor & QA/QC. Recently selected for the preparation of a Water Conservation Master Plan to comprehensively address the long term use of water resources within the City's service area by adopting objectives, policies and programs designed to promote innovative emerging technologies and practices, as well as proven and cost-effective conservation measures.

Integrated Water Resources Management Plan (IWRMP), Western Municipal Water District, Riverside, CA: Project Team Member. Preparation of an integrated water resources plan for the Western Municipal Water District and retail agencies within the District (Riverside County). Project involved assistance to, and coordination of, a six member management group and approximately 20 stakeholders. Developed materials for stakeholder education, assisted with identification of water management objectives, and evaluation of projects put forth by stakeholders for consistency with objectives, financial feasibility, and compliance with State mandated requirements.

Upper Santa Clara Integrated Water Resources Management Plan, County of Los Angeles, CA: Project manager for the preparation of an integrated water resources plan for the Upper Santa Clara River Region (Los Angeles County). Project involves assistance to, and coordination of, an eight member management group and approximately 30 stakeholders. Develop materials for stakeholder education,




assist with identification of water management objectives, and evaluate projects put forth by stakeholders for consistency with objectives, financial feasibility, and compliance with State mandated requirements.

Hollister Area 2008 Urban Water Management Plan, Sunnyslope County Water District, City of Hollister, San Benito County Water District, CA. Provided QA/QC for a collaborative Urban Water Management Plan (UWMP) Update by the Sunnyslope County Water District (Sunnyslope), City of Hollister (City), and the San Benito County Water District (District). The latest amendment to the Plan incorporates a water shortage contingency plan, alternative water conservation measures and water reclamation programs.

Experience Prior to Kennedy/Jenks

Castaic Lake Water Agency, Water Resources Manager, Santa Clarita, CA. At the direction of the General Manager, work consisted of managing all aspects of the Agency's water resources projects, specifically dealing with water supply issues at the state and local levels. Prepared, facilitated, reviewed and submitted all water sale/transfer contracts, various agreements, and attendant resolutions to the Agency's Board of Directors and the Department of Water Resources. Prepared all documentation and conducted negotiations for three separate groundwater banking projects. Prepared in-house technical reports and other materials, including overseeing the production of the Agency's Urban Water Management Plan. Served in scientific advising capacity in reviewing all environmental regulatory documentation, particularly in regard to CEQA requirements, including consultant reports and other scientific documents. Served as the Agency's Water Conservation Coordinator; responsible for implementation of water conservation Best Management Practices as contained in the Memorandum of Understanding of the California Urban Water Conservation Council. Responsible for the Agency's public information program and oversee all its aspects. Represented the Agency on various committees, including several State Water Contractors standing committees, the California Urban Water Conservation Council Steering Committee, and the Association of California Water Agencies Communications and Program Committees.

Castaic Lake Water Agency, Assistant to the General Manager, Santa Clarita, CA. Worked at the direction of the General Manager, specifically dealing with water supply issues at the state and local levels. Prepared, facilitated, reviewed and submitted water sale/transfer contracts, various agreements, and attendant resolutions to the Agency's Board of Directors. Served in scientific advising capacity in reviewing environmental regulatory documentation, particularly in regard to the CALFED Bay-Delta Program; environmental impact reports; consultant reports and other scientific documents. Served as the Agency's Water Conservation Coordinator; responsible for implementation of water conservation Best Management Practices as contained in the Memorandum of Understanding of the California Urban Water Conservation Council. Responsible for the Agency's public information program. Prepared, compiled, wrote, and edited the Agency's quarterly newsletter and other Agency public information materials. Prepared in-house technical reports and other materials, including the Agency's Urban Water Management Plan. Represented the Agency on various committees, including several State Water



Contractors standing committees and the Association of California Water Agencies Communications and Program Committees.

Kern County Water Agency, Water Resources Planner, Bakersfield, CA. Attached to the Agency's Water Resources Department, specifically dealing with water supply issues, at both the state and local levels. Prepared, facilitated, reviewed and submitted water sale/transfer contracts, various agreements, and attendant resolutions to the Agency's Board of Directors. Served in scientific advising capacity in reviewing environmental regulatory documentation, particularly in regard to the CALFED Bay-Delta Program; environmental impact reports; consultant reports and other scientific documents. Served as the Agency's Water Conservation Coordinator; assist the Agency's Urban Bakersfield Advisory Committee. Responsible for implementation of water conservation Best Management Practices as contained in the Memorandum of Understanding of the California Urban Water Conservation Council. Also assisted with the Agency's participation in the AB3616 Agricultural Water Management Council. Responsible for majority of the Agency's public information program. Prepared, compiled, wrote, and edited the Agency's monthly newsletter. Prepared and wrote Agency public information materials. Prepared in-house technical reports and other materials including the Agency's Urban Water Management Plan. . Represented the Agency on various committees, including several State Water Contractors standing committees and budget review committee, the California Water Clearinghouse (for CALFED and Bay-Delta issues), the Association of California Water Agencies Communications (vice-chair) and Program Committees, and the Executive Committee of the Water Association of Kern County.

RESUME

Joseph C. Scalmanini

Specialization:

Forty-three years of practice in groundwater development and management, and oil and gas production. Assessments of groundwater resources and implementation of groundwater basin management in various areas throughout California; groundwater development and management encompassing well design, construction, operation, and maintenance; groundwater monitoring as part of basin management and as part of groundwater contamination investigations; artificial groundwater recharge facilities and practices; injection of industrial waste water; development of brackish and saline groundwater for municipal (desalination) and industrial water supply; water supply master planning.

Professional Registration:

Registered Civil Engineer, California, CE 28233

Academic Degrees:

| | |
|---|------|
| M.E. Civil Engineering, University of California, Davis, CA | 1984 |
| B.S. Mechanical Engineering, University of Santa Clara, Santa Clara, CA | 1967 |

Professional Experience:

| | |
|---|----------------|
| Luhdorff and Scalmanini, Consulting Engineers, Woodland, CA | |
| President | 2004 - Present |
| Principal Partner | 1989 - 2004 |
| Partner | 1980 - 1989 |
| University of California, Davis, Davis, CA | |
| Associate Development Engineer | 1973 - 1979 |
| Shell Oil Company | |
| Mechanical and Facilities Engineer | 1967 - 1973 |

Representative Professional Assignments:

Consultant to water districts and utilities, municipalities, corporate and individual farming interests, corporate and private industry, and other engineering firms on groundwater development, utilization and management, including preparation and implementation of AB 3030 and other groundwater management plans, and plans for supplemental water supply and conjunctive use management. Consultation with public agencies, corporate and private concerns regarding groundwater contamination, its identification, monitoring, and management. Consultation with legal profession on technical aspects of groundwater development and utilization, including all aspects of groundwater basin yield and management, well design and construction, and application of pumping equipment.

Representative Professional Assignments continued:

Mr. Scalmanini directed and conducted a ground-water basin assessment in the Santa Maria Valley, including developing plans for conjunctive use of imported SWP water, recaptured return flows and increased artificial recharge of natural stream flow. After the adjudication of the Santa Maria Valley Groundwater Basin, he was appointed Basin Engineer, responsible for monitoring basin conditions and annually reporting to the court on the state of the basin.

Mr. Scalmanini directed the development of an alternative basin management plan for diversion of stream flow to replace coastal groundwater pumping and halt historical seawater intrusion in the Salinas Valley. He has developed several ground-water substitution programs for both public and private farming interests in Sacramento, Yolo and Sutter Counties, and authored Ground-Water Management Plans for these respective areas.

Mr. Scalmanini served as the court-appointed technical advisor to the Special Referee in the Chino Basin for development and implementation of an Optimum Basin Management Program to preserve and potentially increase the safe yield of the aquifer system, incorporate conjunctive use within storage limits in the aquifer, and make beneficial use of degraded water quality in the lower end of the basin by desalting ground water for future domestic water supply.

Mr. Scalmanini is directing ongoing engineering and hydrogeological analyses of local groundwater and imported State Water Project water supplies in the Upper Santa Clara River Area (Santa Clarita Valley) in Los Angeles County, including the preparation of annual Water Reports over the last eleven years. As part of that work, Mr. Scalmanini developed a cooperative technical program to integrate water resource analysis with the adjacent downstream basins, and has coordinated technical analysis of sustainable yield of the groundwater basin for ongoing agricultural, municipal, and other local water requirements since 2001. Mr. Scalmanini is the primary author of the AB3030 Groundwater Management Plan that has been adopted for the basin. He also prepared the Amendment to the 2000 Urban Water Management Plan for the State Water Contractor and all the water purveyors in the Valley to specifically address the adequacy of groundwater supplies in the wake of perchlorate contamination and the plan to contain contaminant migration while restoring contaminated wells to water supply service through the installation of wellhead treatment. He subsequently co-prepared an analysis of groundwater basin sustainable yield and a subsequent analysis of the adequacy of groundwater supply after another Alluvial well was impacted by perchlorate. He prepared the groundwater components of the 2005 Urban Water Management Plan, which was based on all the preceding analyses. Most recently, Mr. Scalmanini co-prepared an updated analysis of sustainable groundwater basin yield, including consideration of potential climate change impacts, for use in ongoing basin management and in the 2010 Urban Water Management Plan.

Mr. Scalmanini also currently serves as Chairman of the Ground-Water Committee that is developing and analyzing the potential for development of additional ground water throughout the Sacramento Valley as part of the Sacramento Valley Water Management Agreement reached in Phase 8 of the SWRCB Bay-Delta Water Rights Hearings.

Professional Affiliations:

National Ground Water Association
- Association of Ground Water Scientists and Engineers
American Water Works Association
California Groundwater Association
Groundwater Resources Association of California

Public Service:

- **Yolo County Aggregate Resources Committee (1975-79)**, Alternate delegate, hydrologist - analysis of impacts and development of management plans for extraction of aggregate from Cache Creek basin.
- **California Tenth Biennial Conference on Ground Water (1975)**, Member, Planning Committee
- **Chancellor's Campus (Univ. of Calif., Davis) Water Committee (1976-78)**, Staff Engineer - analysis of water supplies and uses, projection of requirements, development of conservation and management plans.
- **City of Davis Water Planning and Conservation Committee (1977-79)**, Chairman - analysis of water supplies and uses, projection of requirements, consideration of alternative supplies, development of conservation and management plans.
- **Yolo County Water Resources Task Force (1979)**, Member - development of county-wide master water plan.
- **Pacific Gas and Electric Co. ACT² Irrigation Pumping Demonstration Project (1992)**, Technical Advisor
- **Association of California Water Agencies (1994-1996)**, Member - Groundwater Committee
- **Cache Creek Conservancy, (2000-2002)**, Director

Teaching Activities:

Course Coordinator and Instructor University Extension Courses, University of California, Davis:

Concepts of Ground Water Management (1974, 1976, 1978, 1981)
Legal and Policy Considerations in Ground Water Management (1975, 1976, 1980)
Water Supply Wells and Pumps (1977, 1978, 1981, 1983, 1985, 1986)
Groundwater Law, Hydrology and Management (2001-2010)

Instructor, University of California, Davis, Water Science 198, Introductory Hydraulics (1977, 1978, 1979)

Lecturer, University of California, Davis, Water Science 2, 140, 160; Ecology 230; Civil Engineering / Geology 175 (1975 - 1979)

Lecturer on Aquifer Characteristics, Well Hydraulics, and Groundwater Development, in Technical Training Classes at the U.S. Army Corps of Engineers' Hydraulic Engineering Center, Davis, CA.

Publications and Presentations:

Scott, V.H. and J.C. Scalmanini, **Water Wells and Pumps: Their Design, Construction, Operation, and Maintenance**, University of California Division of Agricultural Sciences Bulletin No. 1889, 1977.

Helweg, O.J., Scott, V.H., and J.C. Scalmanini, **Improving Well and Pump Efficiency**, American Water Works Association, 1983.

Publications and Presentations continued:

Scalmanini, J.C., and Scott V.H., **Design and Operational Criteria for Artificial Groundwater Recharge Facilities**, Water Science and Engineering Paper No. 2009, University of California, Davis, 1979.

Scalmanini, J.C., Scott, V.H., and O.J. Helweg, **Energy and Efficiency in Wells and Pumps**, presented at Twelfth Biennial Ground Water Conference, 1979.

Scalmanini, J.C., Johnson Jr., R.M., and E.E. Luhdorff Jr., **Development of a Groundwater Monitoring Program as a Basis for Coastal Groundwater Basin Management**, presented at the Fall Conference, American Water Works Association, CA-NV Section, 1983.

Scalmanini, J.C., **3030 Hindsight and 2020 Foresight, Actual Groundwater Management Experience Over the Last 15 Years, Soquel Creek Water District**, presented at the Association of California Water Agencies' Groundwater Management Conference, March 1994.

Scalmanini, J.C., **Legal and Technical Issues Related to Surface Water and Groundwater Interaction**, presented at the Groundwater Resources Association's California Ground Water & Efficient Usage for the Year 2000 and Beyond, October 1998.

Scalmanini, J.C., A. Schneider, and V. Cahill (panel presentation), **Groundwater Classification: Is the State Water Resources Control Board's Jurisdiction Over Ground Water Changing?**, presented at the Water Education Foundation's 2000 Update on Water Law and Policy, July 2000.

Scalmanini, J.C., **What the Heck's a Sub-Basin? Defining Basins and Sub-Basins**, presented at the Association of California Water Agencies' Groundwater Management: Will CalFed Help or Hinder Workshop, November 2000.

Scalmanini, J.C., **"Groundwater Law, Policy and Science: What can Be Done About The Disconnect"**, presented at the Water Education Foundation's 2005 Water Law and Policy Briefing, San Diego, July 2005.

Nancy Clemm, P.E.

WORK SUMMARY

Nancy Clemm is a civil engineer with 30 years water resources planning experience, including 20 years working primarily on State Water Project (SWP) and Bay/Delta issues. Ms. Clemm is very familiar with SWP system operations, including reservoir, Delta, and conveyance facility operations, as well as with the Department of Water Resources (DWR) planning model used to estimate SWP delivery reliability. She has assisted in the preparation of numerous water supply planning documents, focused primarily on SWP supplies and facilities, including the 2005 and 2010 Urban Water Management Plans (UWMP) for Castaic Lake Water Agency (CLWA), the 1995 Regional Urban Water Management Plan and 1996 Integrated Water Resources Plan for the Metropolitan Water District of Southern California (MWD), and several environmental impact reports (EIR) dealing with SWP supplies and/or use of SWP conveyance facilities.

EXPERIENCE

WATER RESOURCES CONSULTANT, Los Angeles, California, 1999 - Present.
(Self-employed)

2005 and 2010 UWMPs: For CLWA, participated in preparation of 2005 and 2010 UWMPs, primarily focused on determining availability of SWP water supplies and assessing overall supply reliability.

Monterey Plus EIR: For MWD, provided technical support to SWP contractor representatives on advisory committee to DWR regarding water supply analyses and SWP contract issues, for preparation of new environmental document for Monterey Amendment to SWP water supply contract.

Water Program EIRs: For CLWA, assisted in preparation of EIRs for water programs involving use of SWP conveyance facilities, for CLWA's Rosedale Rio Bravo Water Storage District Water Banking Program, and its water acquisition from Buena Vista Water Storage District/Rosedale Rio Bravo Water Storage District.

SWP Table A Transfer EIR: For CLWA EIR for permanent transfer of SWP Table A amount, conducted SWP water supply reliability and water allocation analyses using data from DWR model studies, performed SWP aqueduct capacity rights and availability analysis, and prepared overall CLWA supply reliability assessment.

SWP Water Operations and Water Transfers: For State Water Contractors (SWC), participating in SWC Water Operations Committee, addressing SWP annual water supply and operational issues; and in SWC Water Transfers Committee, reviewing and providing recommendations regarding approval of proposed SWP contractor transfers and exchanges.

Reservoir Reoperation Report: For CALFED, drafted report on potential water supply and environmental benefits of reoperation of hydroelectric facilities in northern and central California.

Hydrologic Model: For Salt River Project, assisted with enhancements to runoff forecasting model, including making programming revisions, assisting with addition of user-interface, and writing user's manual and program documentation.

Nancy Clemm, P.E.

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA, Los Angeles, California, 1991 - 98. (Senior Engineer, SWP Branch, 1993 - 98; Engineer, Bay Delta Branch, 1992; Engineer, SWP Branch, 1991)

SWP Water Supply Analyses: Assisted in preparation of several planning documents, including 1995 Regional Urban Water Management Plan and 1996 Integrated Water Resources Plan. Conducted numerous additional analyses to estimate future availability of SWP supplies, and to evaluate proposed SWP operational constraints, future water supply options, and SWP contract provisions.

SWP Supply Operations: Participated in SWC committee monitoring DWR's reservoir and Delta operations, addressing operational issues and various contractor issues such as equity and current supply versus risk of future shortage.

Water Contracts: Provided significant support in development of Monterey Amendment to SWP contract, including providing technical support for urban contractor negotiating team; assisting in amendment drafting and completion of environmental documentation; and resolution of implementation issues. Participated in drafting numerous agreements between MWD, DWR, and other agencies related to establishment of and water delivery to groundwater banking and exchange programs.

SWP Supply Planning: Participated in SWC committee monitoring DWR planning efforts to enhance SWP supplies, including review of proposed projects' feasibility, supply yield, water quality, environmental effects and mitigation, and costs.

SALT RIVER PROJECT, Phoenix, Arizona, 1981 - 90. (Senior Water Resources Analyst, 1985 - 90; Engineer III, 1983 - 84; Rotational Engineer, 1981 - 82)

Water Supply Analyses: Worked extensively with reservoir operations simulation model of Salt River Project system to conduct supply studies, to estimate future supplies and evaluate supply impacts given proposed physical and operational changes. Made major programming modifications and wrote program documentation.

Other Computer Modeling: Developed runoff forecasting model to estimate real-time runoff to reservoir system, including all model design, programming, and documentation. Assisted in development of water demand forecasting model based on land use, including model design, development, and implementation.

Water Contracts / Accounting: Developed detailed knowledge of existing water delivery and reservoir storage contracts. Participated in several negotiations for new water contracts, primarily concerning water delivery, accounting, and measurement.

EDUCATION

Bachelor of Science in Civil Engineering, Arizona State University, 1981.
Graduate courses in water resources modeling, Arizona State University.

REGISTRATION

Civil Engineer, California and Arizona

J. Lauren Everett

Water Resources Specialist

Education

B.S., Environmental Studies, University of California, Santa Barbara, 1999

M.S., Donald Bren School of Environmental Science and Management University of California, Santa Barbara, 2001

Professional Summary

Ms. Everett is a Water Resources Specialist, with over 8 years of experience in environmental and regulatory compliance providing technical planning support for a diverse range of water resource projects. Ms. Everett is currently involved with implementing DWR's Proposition 84 Integrated Regional Water Management Grant Program, urban water management planning, and supply and demand forecasting. Lauren has served as the liaison between planning, and engineering teams, and appreciates the teamwork and communication skills needed to successfully integrate planning and design concepts to meet regulatory requirements. She has also served as the project manager and project specialist for numerous water resource studies in Southern California.

Professional Experience

- *Castaic Lake Water Agency (CLWA), 2010 Urban Water Management Plan Update, Santa Clarita, CA:* Preparation of the 2010 regional Urban Water Management Plan (UWMP) is being completed on behalf of CLWA and its four retail purveyors. The water supply analysis includes the SWP, local groundwater, reliability programs, other imported supplies and recycled water. Ms. Everett is the technical lead on the UWMP development.
- *2010 Urban Water Management Plan Update for Improvement District 4, Kern County Water Agency, Bakersfield, CA.* Preparation of the 2010 regional UWMP, for the Kern County Water Agency's (KCWA) Improvement District No. 4 (ID4), which represents the urban portion of KCWA's State Water Project wholesale service area includes the SWP, local groundwater, reliability programs, other imported supplies and recycled water. Ms. Everett is the technical lead on the UWMP development.
- *Castaic Lake Water Agency (CLWA), Upper Santa Clara River IRWMP Proposition 84 Implementation Grant Application, Santa Clarita, CA:* The Project is the preparation of an Implementation Grant application requesting funds from the Proposition 84 Integrated Regional Water Management (IRWM) Implementation Grant Program for five Candidate Projects within the Upper Santa Clara River IRWM Plan. Ms. Everett managed the effort and was the technical lead on the application preparation.
- *Castaic Lake Water Agency (CLWA), Upper Santa Clara River IRWMP Proposition 84 Planning Grant Application, Santa Clarita, CA:* The Project is the preparation of a Planning Grant application requesting funds from the Proposition 84 IRWM Planning Grant Program for the 2010 Update of the Upper Santa Clara River IRWM Plan. Ms. Everett managed the effort and was the technical lead on the application preparation.
- *Los Angeles County Department of Public Works, Antelope Valley Integrated Regional Water Management Plan (Plan):* Ms. Everett managed the development of the Plan, which was

designed with a regional focus for the sustainable management of water resources in the Antelope Valley Region for the next twenty-five years. Over 40 agencies within the Antelope Valley participated in the planning process.

- *Los Angeles County Department of Public Works, Antelope Valley Integrated Regional Water Management Plan, Proposition 50 Round 2 Step 1 & Step 2 Grant Application, Antelope Valley, CA:* Kennedy/Jenks submitted a proposal for an implementation grant requesting \$25 million for seven projects that targeted reducing the mismatch between supply and demand projected for the Region by 2035. Ms. Everett managed the preparation of the Step 1 and Step 2 grant applications.
- *Los Angeles County Department of Public Works, Antelope Valley Integrated Regional Water Management Plan, Region Acceptance Process (RAP) Application, Antelope Valley, CA:* Kennedy/Jenks submitted a proposal successfully defending the IRWMP Region's boundary to the Department of Water Resources allowing the IRWMP Region to remain in the Proposition 84 IRWMP Program. Ms. Everett managed the RAP effort.
- *Kern County Water Agency, Tulare Lake Basin Portion of Kern County Integrated Regional Water Management Plan (Plan), Kern County, CA:* Ms. Everett is currently assisting in the development of the integrated regional planning document, and providing assistant management responsibilities. Over 40 agencies within the Kern Region are participating in the Kern Region IRWM planning process.
- *Kern County Water Agency, Tulare Lake Basin Portion of Kern County Integrated Regional Water Management Plan, Region Acceptance Process Application, Kern County, CA:* Kennedy/Jenks submitted a proposal successfully defending the IRWMP Region's boundary to the Department of Water Resources allowing the IRWMP Region to remain in the Proposition 84 IRWMP Program. Ms. Everett managed the RAP effort.
- *Castaic Lake Water Agency (CLWA), Water Supply Reliability Plan Update, Santa Clarita, CA:* The plan and update are needed in order to evaluate the technical, environmental, and economic issues associated with potential water supply reliability projects. Ms. Everett's responsibilities include characterization of the water supply and demands for the region, and general report content.
- *Los Angeles County Department of Public Works, North Los Angeles/Kern County Regional Recycled Water Master Plan Environmental Impact Report, Antelope Valley, CA:* Kennedy/Jenks assisted Environmental Science Associates in preparing the hydrology, hazards and hazardous materials, and geology sections of the Environmental Impact Report. Ms. Everett managed the Kennedy/Jenks team on this effort.
- *Ventura County Waterworks District No. 8 Recycled Water Master Plan, Simi Valley, CA:* This project consists of the design of a recycled water distribution system to serve municipal and industrial customers within the City of Simi Valley. Ms. Everett's responsibilities included characterization of the environmental issues associated with implementing the system, identification of required permits and approvals, and general report coordination.

Dana Haasz

Project Manager

Education

M.S., Applied Geography, New Mexico State University, Las Cruces, NM

B.S., Geography and Environmental Science, McGill University, Montreal, Canada

Affiliations

California Urban Water Conservation Council

Western Water Alliance Steering Committee and Hiring Committee

Technical Advisor to CALFED Appropriate Water Measurement Panel/Agricultural and Urban

Environmental Justice Coalition for Water Steering Committee

Water Education Foundation, Water Leader (2003) and Water Leader Mentor (2009)

Professional Summary

Dana Haasz has 13 years experience in water conservation, demand modeling and resource planning. She currently manages the water use efficiency projects and programs for Kennedy/Jenks. Projects range from planning, program assessment, demand modeling and helping agencies to meet regulatory requirements, to the development of implementation programs, budgets, monitoring and quantification.

Dana spent the six years as the Water Conservation Administrator at San Francisco Public Utilities Commission. Ms. Haasz has extensive experience in regulatory compliance issues and long-term water supply planning for the retail and wholesale service areas, including planning, organizing, developing and administering retail water conservation programs including the identification, evaluation, and public promotion of conservation with industry, builders, developers, public agencies, customers, and community groups. Ms. Haasz's activities also extended to policy development, from legislative initiatives and statewide conservation issues to development of a revolving loan program and other efficiency-related activities at the local level.

In Ms. Haasz's six years at San Francisco Public Utilities Commission, she directly managed and implemented the growth of the Conservation department from a customer-service based residential rebate program to a multi-faceted approach that includes all customers, various types of incentives and services, outreach, education, policy and coordination with local, regional and state level activities. Her approach towards the expansion of the program was to merge public policy needs with solid business principles and quantified outcomes so as to make obvious and appropriate efficiency decisions for the customer as well as honoring the agency's responsibility to the ratepayer.

Prior to the SFPUC, Dana developed modeling and theoretical skills at the Pacific Institute for Water, Development and Environment where she co-authored an analysis quantifying water conservation potential for the state and policies and programs designed to achieve that goal.

Project Experience

2010 Urban Water Management Plans (18 water systems), Golden State Water Company, Rancho Cordova, CA. Currently providing water conservation services for GSWC's 2010 UWMP update for the 18 water systems that meet the criteria for the requirements of an UWMP. Updates will include analysis of water conservation programs status for the purposes of evaluating compliance with AB 1420 and SBX7, in coordination with the local Alliance for Water Awareness and Conservation.

2010 Urban Water Management Plan Update, Stockton East Water District, Stockton, CA. Currently providing water conservation services for preparation of the District's 2010 UWMP update, including water supplies, demands, and conservation measures, as well as addressing AB 1420 and SBX7-7 regulations.

The update will also include a water shortage contingency plan as it applies to Stockton East Water District being an urban water wholesaler.

Complete Water Conservation and Demand Reduction Program Evaluation, City of Roseville, Roseville, CA. Developed an implementation plan, including a review of past activities, identification of potential conservation measures, cost benefit analysis, program modeling and design to prepare conservation plan for City of Roseville, that meets the 20x2020 requirements.

Water Conservation Efficiency Master Plan, City of Riverside, Riverside, CA developed a conservation implementation program for the City of Riverside. Evaluated Riverside's past water use efficiency program, identified potential conservation measures, performed cost benefit analysis, modeled potential programs and developed a scored options matrix to assist Riverside with efforts to effectively comply the 20x2020 requirements and guide program design and implementation.

2010 Urban Water Management Plan Update, Castaic Lake Water Agency, Santa Clarita, CA. Currently providing water conservation services for preparation of the 2010 regional Urban Water Management Plan (UWMP), which is being completed on behalf of CLWA and its four retail purveyors. The water supply analysis includes the SWP, local groundwater, reliability programs, other imported supplies and recycled water. The UWMP also includes an evaluation of the various alternative water management strategies and supplies available to the Valley and based on the evaluation, will recommend water supply strategies.

2010 Urban Water Management Plan Update, Mojave Water Agency, Apple Valley, CA. Currently providing water conservation services to produce Mojave Water Agency's (MWA) 2010 UWMP with particular focus on Best Management Practices (BMPs) and new regulations. A State Water Project contractor, MWA's plan is to be completed in cooperation with numerous retailers from within their service area. This update will also include analysis of the various agencies' water conservation programs status for the purposes of evaluating compliance with AB 1420 and SBX7, in coordination with the local Alliance for Water Awareness and Conservation.

2010 Urban Water Management Plan Update, Western Municipal Water District, Riverside County, CA. Currently providing water conservation services for preparation of the District's 2010 UWMP update, including water supplies, demands, and conservation measures.

2010 Park Water Company Urban Water Management Plan and Water Use Efficiency Plan, CA. Currently providing water conservation services for preparation of the District's 2010 UWMP update, including water supplies, demands, and conservation measures.

2010 Suburban Water Systems Urban Water Management Plan, Oxnard, CA. Currently providing water conservation services for preparation of the District's 2010 UWMP update, including water supplies, demands, and conservation measures.

2010 Urban Water Management Plan Update for Improvement District 4, Kern County Water Agency, Bakersfield, CA. Currently providing water conservation services for preparation of the 2010 regional UWMP, for the Kern County Water Agency's (KCWA) Improvement District No. 4 (ID4), which represents the urban portion of KCWA's State Water Project wholesale service area. The water supply analysis includes the SWP, local groundwater, reliability programs, other imported supplies and recycled water. In addition to the water supply analyses required by the UWMP Act, this UWMP update will also include analysis of local water conservation program status for the purposes of evaluating compliance with AB 1420 and SBX7.

2010 Urban Water Management Plan Update, San Bernardino Valley Municipal Water District, San Bernardino, CA. Currently providing water conservation services for update of the District's 2010 UWMP with particular focus on Best Management Practices (BMP's) and new regulations. The work will also include coordination with California Department of Water Resources reviews and approvals.

2010 Urban Water Management Plan, Lake Arrowhead Community Services District, Lake Arrowhead, CA. Currently providing water conservation services for production of this retail water purveyor's 2010 UWMP update.

2010 Urban Water Management Plan, North of the River Municipal Water District and Oildale Mutual Water Company, Kern County, CA. Currently providing water conservation services for preparation of the 2010 UWMP update for Kern County Water Agency Improvement District No. 4's (ID4) participating retail purveyors, North of the River Municipal Water District and Oildale Mutual Water Company. The UWMP update will provide information on ID4's wholesale service area and operations and will include data and information about the ID4 retail purveyor service areas and operations. The UWMP update will also include information on ID4 retail purveyor service areas that recover groundwater within ID4.

2010 Urban Water Management Plan, City of Ventura, CA. Currently providing water conservation services for production of the City's 2010 UWMP update. The water supply analysis includes local groundwater, reliability programs, other imported supplies and recycled water. In addition to the water supply analyses required by the UWMP Act, this UWMP update will also include analysis of local water conservation program status for the purposes of evaluating compliance with AB 1420 and SBX7.

2010 Urban Water Management Plan, Central Coast Water Authority, Ventura County, CA. Currently providing QA/QC and third-party technical review regarding water conservation practices for the CCWA's 2010 UWMP update.

2010 Urban Water Management Plan Update, Western Municipal Water District, Riverside County, CA. Currently providing water conservation services for preparation of the District's 2010 UWMP update, including water supplies, demands, and conservation measures.

Project Experience Prior to Kennedy/Jenks

Water Conservation Administrator, San Francisco Public Utilities Commission

Water Saver Program: Developed market-based approach to conservation programs. The program aimed to secure permanent water savings for large commercial and industrial customers by providing technical support and financial incentive incentives based on the volume of saved water. The program allowed SFPUC to support larger process-oriented uses and other specific needs that are not part of the traditional fixture-based rebate programs. Participants included hotels, hospitals, colleges, and food growers.

Unaccounted for Water Analysis: Managed the first large urban agency implementation of the full AWWA M36 Water Loss process. The multi-phase analysis to discover, diagnose, and develop an implementation plan for capturing water system losses consisted of quantification and categorization of losses, identifying cost effective potential recovery and ,disaggregating city zones to prioritize and develop leak detection and repair implementation plan and providing leak detection training to City staff at the SFPUC.

Data Management: Managed design and development of database designed to improve the analytic capacity of conservation programs and link activities to water savings - actual and estimated – customer type, spatial information and more. The system also incorporated administrative tasks such as issuing rebates, mailings, inspection scheduling and follow up.

Low-income Direct Install Program: Developed high-efficiency toilet (HET) direct-installation and water audit program in coordination with community groups in order to save water in a hard to reach population and mitigate the impacts of rising water rates. The program provided free HETs to single family customers and a voucher program for multi-family residents in low-income communities. Local nonprofit groups were enlisted and community members trained in conservation principles in order to help market the program. program received two grants of \$200,000 each, one from the California Department of Water Resources and one from the U.S. Bureau of Reclamation.

Education: Developed materials and an implementation plan for a water resources education program that would be compliant with both state and CUWCC requirements.

Municipal: Launched municipal audit program with detailed potential efficiency improvements, costs and implementation recommendations.

Conservation Legislation: Developed and worked to pass local conservation ordinances including a residential retrofit on resale for ordinance and a replacement ordinance for commercial accounts. Improvements include fixture replacement (toilets, showerheads aerators) and leak repair. Worked with the San Francisco Department of Building Inspection to train City inspectors, develop implementation materials and process.

Baseline Analysis: Participated in modeling of baseline use in San Francisco by customer type, potential demand reduction opportunities, costs and implementation options. Preferred alternative became the basis for SFPUC program activities.

California Urban Water Conservation Council: Represented Group 1 water agencies as convener of the CUWCC, 2005-2006 / Represented Group 2 Environmental Organizations as convener 2003-2004.